

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Total <sup>1</sup>	5,575	5,764	5,734	5,840	5,657	5,214	4,551
<b>State of incident</b>							
Alabama	124	133	128	100	108	107	75
Alaska	28	42	29	45	30	33	17
Arizona	80	84	99	112	97	100	76
Arkansas	87	70	80	78	89	85	75
California	459	467	465	537	461	465	409
Colorado	102	117	125	137	126	105	83
Connecticut	36	54	46	38	38	28	34
Delaware	9	10	11	15	10	11	7
District of Columbia	19	11	12	7	13	9	11
Florida	347	422	406	360	363	291	245
Georgia	199	232	200	201	193	182	110
Hawaii	21	25	15	30	23	19	13
Idaho	43	38	35	38	31	36	27
Illinois	200	208	194	207	185	193	158
Indiana	132	153	157	148	127	143	125
Iowa	76	82	90	71	89	93	80
Kansas	78	80	81	85	101	73	76
Kentucky	145	143	122	147	112	106	101
Louisiana	95	121	111	118	139	135	140
Maine	23	16	15	20	21	24	16
Maryland	92	81	95	106	82	60	65
Massachusetts	78	72	75	66	75	68	64
Michigan	152	127	110	157	120	123	94
Minnesota	72	80	87	78	72	65	61
Mississippi	102	88	112	96	93	80	67

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Characteristic	2003	2004	2005	2006	2007	2008	2009
Missouri	154	165	185	167	156	148	142
Montana	39	39	50	45	54	40	52
Nebraska	51	46	36	57	63	53	57
Nevada	52	61	57	49	71	41	24
New Hampshire	19	15	18	13	14	7	6
New Jersey	104	129	112	88	106	92	99
New Mexico	46	57	44	59	52	31	42
New York (including N.Y.C.)	227	254	239	234	220	213	185
New York City	94	107	88	99	81	90	63
North Carolina	182	183	165	168	167	161	129
North Dakota	26	24	22	31	25	28	25
Ohio	206	202	168	193	165	168	137
Oklahoma	100	91	95	91	104	102	82
Oregon	75	60	65	87	69	55	66
Pennsylvania	208	230	224	240	220	241	168
Rhode Island	18	7	6	10	5	6	7
South Carolina	115	113	132	95	122	87	73
South Dakota	28	24	31	37	22	30	24
Tennessee	137	145	139	153	154	135	111
Texas	491	440	495	489	528	463	482
Utah	54	50	54	60	78	64	48
Vermont	14	7	7	14	10	10	12
Virginia	155	171	186	165	146	156	119
Washington	83	98	85	87	90	84	76
West Virginia	51	58	46	79	61	53	41
Wisconsin	103	94	125	91	104	77	94
Wyoming	37	43	46	36	48	33	19
<b>Employee status</b>							

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Wage and salary workers <sup>2</sup>	4,405	4,587	4,592	4,808	4,613	4,183	3,488
Self-employed <sup>3</sup>	1,170	1,177	1,142	1,032	1,044	1,031	1,063
<b>Gender</b>							
Women	446	415	406	444	429	387	335
Men	5,129	5,349	5,328	5,396	5,228	4,827	4,216
<b>Age</b>							
Under 16 years	25	13	23	11	18	11	13
16 to 17 years	28	25	31	21	20	23	14
18 to 19 years	84	103	111	106	97	66	57
20 to 24 years	462	421	403	390	424	353	275
25 to 34 years	1,018	996	1,017	1,041	991	850	704
35 to 44 years	1,329	1,342	1,243	1,288	1,168	1,113	908
45 to 54 years	1,301	1,384	1,389	1,417	1,425	1,292	1,173
55 to 64 years	802	907	933	963	934	920	853
65 years and over	523	569	578	599	574	580	551
<b>Race or ethnic origin<sup>4</sup></b>							
White (non-Hispanic)	3,988	4,066	3,977	4,019	3,867	3,663	3,204
Black or African-American (non-Hispanic)	543	546	584	565	609	533	421
Hispanic or Latino	794	902	923	990	937	804	713
American Indian or Alaskan Native (non-Hispanic)	42	28	50	46	29	32	33
Asian (non-Hispanic)	147	168	154	148	166	145	141
Native Hawaiian or Pacific Islander (non-Hispanic)	11	12	9	11	6	7	7
Multiple races (non-Hispanic)	3	4	-	11	10	6	7
Other races or not reported (non-Hispanic)	47	38	35	50	33	24	25

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Occupation (SOC)<sup>5</sup></b>							
<b>Management, business, science, and arts occupations</b>	930	961	845	857	810	844	798
<b>Management, business, and financial occupations</b>	667	664	606	589	556	577	564
<b>Management occupations</b>	635	637	570	550	525	553	538
Top executives	42	28	30	26	30	28	39
Chief executives	20	13	18	19	17	18	16
Chief executives	20	13	18	19	17	18	16
General and operations managers	21	15	12	7	13	8	23
General and operations managers	21	15	12	7	13	8	23
Legislators	-	-	-	-	-	-	-
Legislators	-	-	-	-	-	-	-
Advertising, marketing, promotions, public relations, and sales managers	14	20	8	12	10	8	16
Advertising and promotions managers	-	3	3	-	-	-	5
Advertising and promotions managers	-	3	3	-	-	-	5
Marketing and sales managers	12	16	5	10	10	7	11
Marketing managers	-	-	-	-	-	-	3
Sales managers	11	14	3	9	8	5	8
Public relations managers	-	-	-	-	-	-	-
Public relations and fundraising managers	-	-	-	-	-	-	-
Operations specialties managers	34	43	34	29	26	24	28
Administrative services managers	-	5	3	-	-	-	-
Administrative services managers	-	5	3	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Computer and information systems managers	-	-	-	6	-	4	5
Computer and information systems managers	-	-	-	6	-	4	5
Financial managers	8	14	11	7	8	7	9
Financial managers	8	14	11	7	8	7	9
Human resources managers	3	3	-	-	3	-	-
Industrial production managers	9	11	10	10	6	5	8
Industrial production managers	9	11	10	10	6	5	8
Transportation, storage, and distribution managers	11	7	7	5	7	6	3
Transportation, storage, and distribution managers	11	7	7	5	7	6	3
Human resources managers	-	-	-	-	-	-	-
Human resources managers	-	-	-	-	-	-	-
Training and development managers	-	-	-	-	-	-	-
Training and development managers	-	-	-	-	-	-	-
Other management occupations	545	546	498	483	459	493	455
Agricultural managers	360	327	355	305	301	327	312
Farm, ranch, and other agricultural managers	28	17	14	13	8	3	10
Farmers and ranchers	332	310	341	292	293	324	302
Farmers, ranchers, and other agricultural managers	-	-	-	-	-	-	-
Construction managers	64	95	63	63	69	55	31
Construction managers	64	95	63	63	69	55	31
Education administrators	9	10	7	5	5	-	-
Education administrators, elementary and secondary school	4	-	-	-	3	-	-
Education administrators, postsecondary	-	7	5	-	-	-	-
Engineering managers	3	-	-	-	-	3	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Architectural and engineering managers	3	-	-	-	-	3	8
Food service managers	39	31	19	29	18	28	25
Food service managers	39	31	19	29	18	28	25
Funeral directors	-	-	-	-	-	-	-
Funeral service managers	-	-	-	-	-	-	-
Lodging managers	14	11	6	13	8	6	7
Lodging managers	14	11	6	13	8	6	7
Medical and health services managers	-	-	-	4	-	-	4
Medical and health services managers	-	-	-	4	-	-	4
Postmasters and mail superintendents	-	-	-	-	-	-	-
Postmasters and mail superintendents	-	-	-	-	-	-	-
Property, real estate, and community association managers	12	18	9	21	18	21	26
Property, real estate, and community association managers	12	18	9	21	18	21	26
Social and community service managers	4	-	-	-	-	-	4
Social and community service managers	4	-	-	-	-	-	4
Miscellaneous managers	35	47	31	37	33	47	35
<b>Business and financial operations occupations</b>	32	27	36	39	31	24	26
Business operations specialists	11	18	23	23	20	13	16
Buyers and purchasing agents	-	6	3	6	7	-	3
Buyers and purchasing agents, farm products	-	-	-	3	-	-	3
Wholesale and retail buyers, except farm products	-	3	-	3	5	-	-
Purchasing agents, except wholesale, retail, and farm products	-	-	-	-	-	-	-
Claims adjusters, appraisers, examiners, and investigators	-	5	3	5	5	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Claims adjusters, examiners, and investigators	-	5	-	5	5	-	-
Compliance officers, except agriculture, construction, health and safety, and transportation	-	-	6	-	-	3	-
Compliance officers	-	-	6	-	-	3	-
Cost estimators	-	-	-	-	-	-	-
Cost estimators	-	-	-	-	-	-	-
Human resources, training, and labor relations specialists	4	-	4	5	3	3	-
Human resources specialists	-	-	-	-	-	-	-
Logisticians	-	-	-	-	-	-	-
Logisticians	-	-	-	-	-	-	-
Management analysts	-	-	-	-	-	-	3
Management analysts	-	-	-	-	-	-	3
Meeting and convention planners	-	-	-	-	-	-	-
Meeting, convention, and event planners	-	-	-	-	-	-	-
Fundraisers	-	-	-	-	-	-	-
Fundraisers	-	-	-	-	-	-	-
Training and development specialists	-	-	-	-	-	-	-
Training and development specialists	-	-	-	-	-	-	-
Miscellaneous business operations specialists	-	-	-	3	-	-	-
Financial specialists	21	9	13	16	11	11	10
Accountants and auditors	10	5	3	7	3	5	5
Accountants and auditors	10	5	3	7	3	5	5
Financial analysts and advisors	4	-	4	5	-	-	3
Financial analysts	-	-	-	-	-	-	-
Personal financial advisors	4	-	3	5	-	-	3
Loan counselors and officers	4	-	3	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Loan officers	4	-	3	3	-	-	-
Tax examiners, collectors, preparers, and revenue agents	-	-	-	-	-	-	-
Tax preparers	-	-	-	-	-	-	-
Miscellaneous financial specialists	-	-	-	-	-	-	-
<b>Professional and related occupations</b>	263	297	239	268	254	267	234
<b>Computer, engineering, and science occupations</b>	82	101	76	99	75	72	68
<b>Computer and mathematical occupations</b>	8	7	6	16	4	7	9
Computer specialists <sup>6</sup>	7	7	6	15	4	7	8
Computer software engineers	-	-	-	4	-	-	-
Computer software engineers, applications	-	-	-	-	-	-	-
Computer software engineers, systems software	-	-	-	-	-	-	-
Computer support specialists	-	-	4	-	-	-	-
Computer support specialists	-	-	4	-	-	-	-
Computer systems analysts	-	-	-	-	3	-	-
Computer systems analysts	-	-	-	-	3	-	-
Network and computer systems administrators	-	-	-	-	-	3	-
Network and computer systems administrators	-	-	-	-	-	3	-
Network systems and data communications analysts	-	-	-	4	-	-	-
Network systems and data communications analysts	-	-	-	4	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Computer occupations	-	-	-	-	-	-	-
Computer and information research scientists	-	-	-	-	-	-	-
Computer and information research scientists	-	-	-	-	-	-	-
Computer and information analysts	-	-	-	-	-	-	-
Computer systems analysts	-	-	-	-	-	-	-
Information security analysts	-	-	-	-	-	-	-
Software developers and programmers	-	-	-	-	-	-	-
Computer programmers	-	-	-	-	-	-	-
Software developers, applications	-	-	-	-	-	-	-
Software developers, systems software	-	-	-	-	-	-	-
Database and systems administrators and network architects	-	-	-	-	-	-	-
Database administrators	-	-	-	-	-	-	-
Computer network architects	-	-	-	-	-	-	-
Computer support specialists	-	-	-	-	-	-	-
Computer user support specialists	-	-	-	-	-	-	-
Computer network support specialists	-	-	-	-	-	-	-
Miscellaneous computer occupations	-	-	-	-	-	-	-
Mathematical science occupations	-	-	-	-	-	-	-
Operations research analysts	-	-	-	-	-	-	-
Operations research analysts	-	-	-	-	-	-	-
Statisticians	-	-	-	-	-	-	-
Statisticians	-	-	-	-	-	-	-
<b>Architecture and engineering occupations</b>	54	69	53	55	51	42	42
Architects, surveyors, and cartographers	7	6	9	14	8	5	5
Architects, except naval	4	-	4	5	-	-	-
Architects, except landscape and naval	4	-	-	4	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Surveyors, cartographers, and photogrammetrists	3	6	5	9	6	3	5
Surveyors	3	6	5	8	5	3	5
Engineers	28	36	29	30	30	31	19
Aerospace engineers	-	-	-	-	-	-	-
Aerospace engineers	-	-	-	-	-	-	-
Biomedical engineers	-	-	-	-	-	-	-
Biomedical engineers	-	-	-	-	-	-	-
Civil engineers	4	10	6	8	8	8	-
Civil engineers	4	10	6	8	8	8	-
Computer hardware engineers	-	-	-	-	-	-	-
Computer hardware engineers	-	-	-	-	-	-	-
Electrical and electronics engineers	4	5	4	6	8	3	3
Electrical engineers	3	3	4	6	4	3	3
Electronics engineers, except computer	-	-	-	-	4	-	-
Environmental engineers	-	-	-	-	-	-	-
Environmental engineers	-	-	-	-	-	-	-
Industrial engineers, including health and safety	3	-	-	-	-	7	-
Health and safety engineers, except mining safety engineers and inspectors	-	-	-	-	-	4	-
Industrial engineers	3	-	-	-	-	3	-
Marine engineers and naval architects	-	-	-	-	-	-	-
Marine engineers and naval architects	-	-	-	-	-	-	-
Mechanical engineers	7	6	3	5	3	5	6
Mechanical engineers	7	6	3	5	3	5	6
Mining and geological engineers, including mining safety engineers	-	-	-	-	-	-	-
Mining and geological engineers, including mining safety engineers	-	-	-	-	-	-	-
Petroleum engineers	6	-	3	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Petroleum engineers	6	-	3	3	-	-	-
Miscellaneous engineers	-	6	5	-	-	3	-
Drafters, engineering, and mapping technicians	19	27	15	11	13	6	18
Drafters	-	4	-	-	3	-	-
Architectural and civil drafters	-	4	-	-	-	-	-
Engineering technicians, except drafters	15	20	10	10	9	5	14
Electrical and electronics engineering technicians	5	11	-	4	5	-	8
Environmental engineering technicians	-	-	3	-	-	-	-
Industrial engineering technicians	-	-	-	-	-	-	-
Mechanical engineering technicians	-	-	-	-	-	-	-
Surveying and mapping technicians	-	3	3	-	-	-	3
Surveying and mapping technicians	-	3	3	-	-	-	3
<b>Life, physical, and social science occupations</b>	20	25	17	28	20	23	17
Life scientists	8	11	4	3	6	10	7
Agricultural and food scientists	-	-	-	-	-	3	-
Soil and plant scientists	-	-	-	-	-	3	-
Biological scientists	5	-	-	-	3	5	3
Microbiologists	-	-	-	-	-	-	-
Zoologists and wildlife biologists	-	-	-	-	3	3	-
Conservation scientists and foresters	-	6	-	-	-	-	-
Conservation scientists	-	-	-	-	-	-	-
Foresters	-	4	-	-	-	-	-
Medical scientists	-	-	-	-	-	-	-
Medical scientists, except epidemiologists	-	-	-	-	-	-	-
Physical scientists	4	4	4	8	6	4	3
Chemists and materials scientists	-	-	-	-	-	-	-
Chemists	-	-	-	-	-	-	-
Environmental scientists and geoscientists	-	-	4	-	4	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Environmental scientists and specialists, including health	-	-	-	-	-	-	-
Geoscientists, except hydrologists and geographers	-	-	-	-	-	-	-
Hydrologists	-	-	-	-	-	-	-
Miscellaneous physical scientists	-	-	-	3	-	-	-
Social scientists and related workers	-	-	3	5	-	-	3
Psychologists	-	-	-	-	-	-	-
Clinical, counseling, and school psychologists	-	-	-	-	-	-	-
Urban and regional planners	-	-	-	-	-	-	-
Urban and regional planners	-	-	-	-	-	-	-
Miscellaneous social scientists and related workers	-	-	-	-	-	-	-
Political scientists	-	-	-	-	-	-	-
Life, physical, and social science technicians	7	8	6	12	7	7	4
Agricultural and food science technicians	-	-	-	3	-	3	-
Agricultural and food science technicians	-	-	-	3	-	3	-
Biological technicians	-	-	-	-	-	-	-
Biological technicians	-	-	-	-	-	-	-
Chemical technicians	4	-	-	3	-	-	-
Chemical technicians	4	-	-	3	-	-	-
Geological and petroleum technicians	-	-	-	4	-	-	-
Geological and petroleum technicians	-	-	-	4	-	-	-
Nuclear technicians	-	-	-	-	-	-	-
Nuclear technicians	-	-	-	-	-	-	-
Miscellaneous life, physical, and social science technicians	-	-	3	-	3	-	-
Environmental science and protection technicians, including health	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Forensic science technicians	-	-	-	-	-	-	-
Forest and conservation technicians	-	-	-	-	-	-	-
<b>Education, legal, community service, arts, and media occupations</b>	132	124	121	113	113	134	110
<b>Community and social services occupations</b>	29	43	25	33	28	34	32
Counselors, social workers, and other community and social service specialists	16	21	14	20	16	23	19
Counselors	-	7	3	3	8	5	5
Substance abuse and behavioral disorder counselors	-	-	-	-	-	-	-
Educational, guidance, school, and vocational counselors	-	-	-	-	3	-	-
Mental health counselors	-	-	-	-	-	-	-
Rehabilitation counselors	-	-	-	-	-	-	-
Social workers	10	10	5	10	3	8	8
Child, family, and school social workers	-	3	-	-	-	-	-
Healthcare social workers	-	-	-	-	-	-	-
Mental health and substance abuse social workers	3	-	-	3	-	-	4
Miscellaneous community and social service specialists	4	4	6	7	5	10	6
Probation officers and correctional treatment specialists	-	-	-	-	-	3	-
Social and human service assistants	-	-	-	3	-	3	4
Religious workers	13	22	11	13	12	11	13
Clergy	10	11	10	10	8	10	9
Clergy	10	11	10	10	8	10	9

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Directors, religious activities and education	-	4	-	-	-	-	-
Directors, religious activities and education	-	4	-	-	-	-	-
Miscellaneous community and social service specialists	-	7	-	3	-	-	3
<b>Legal occupations</b>	15	3	17	11	11	16	13
Lawyers, judges, and related workers	11	3	15	9	7	13	11
Lawyers and judicial law clerks	11	-	13	8	7	12	11
Lawyers	11	-	13	8	7	12	11
Judges, magistrates, and other judicial workers	-	-	-	-	-	-	-
Judges, magistrate judges, and magistrates	-	-	-	-	-	-	-
Legal support workers	4	-	-	-	4	3	-
Paralegals and legal assistants	-	-	-	-	-	-	-
Paralegals and legal assistants	-	-	-	-	-	-	-
Miscellaneous legal support workers	3	-	-	-	4	-	-
<b>Education, training, and library occupations</b>	30	27	26	23	22	27	22
Postsecondary teachers	10	7	11	-	7	11	4
Math and computer teachers, postsecondary	-	-	-	-	-	-	-
Computer science teachers, postsecondary	-	-	-	-	-	-	-
Mathematical science teachers, postsecondary	-	-	-	-	-	-	-
Physical sciences teachers, postsecondary	-	-	-	-	-	-	-
Physics teachers, postsecondary	-	-	-	-	-	-	-
Health teachers, postsecondary	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Health specialties teachers, postsecondary	-	-	-	-	-	-	-
Education and library science teachers, postsecondary	-	-	-	-	-	-	-
Education teachers, postsecondary	-	-	-	-	-	-	-
Arts, communications, and humanities teachers, postsecondary	-	-	-	-	-	-	-
English language and literature teachers, postsecondary	-	-	-	-	-	-	-
Miscellaneous postsecondary teachers	9	3	6	-	-	8	3
Graduate teaching assistants	-	-	-	-	-	4	-
Recreation and fitness studies teachers, postsecondary	-	-	-	-	-	-	-
Vocational education teachers, postsecondary	5	-	3	-	-	-	-
Primary, secondary, and special education school teachers	10	12	7	11	7	9	9
Elementary and middle school teachers	3	6	-	4	-	3	5
Elementary school teachers, except special education	3	5	-	4	-	-	4
Secondary school teachers	5	5	5	7	4	4	3
Secondary school teachers, except special and career/technical education	5	4	5	7	4	3	3
Career/technical education teachers, secondary school	-	-	-	-	-	-	-
Special education teachers	-	-	-	-	-	-	-
Special education teachers, preschool	-	-	-	-	-	-	-
Special education teachers, kindergarten and elementary school	-	-	-	-	-	-	-
Special education teachers, secondary school	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other teachers and instructors	3	3	3	5	5	3	3
Self-enrichment education teachers	-	-	-	5	-	-	-
Self-enrichment education teachers	-	-	-	5	-	-	-
Miscellaneous teachers and instructors	-	-	-	-	-	3	-
Librarians, curators, and archivists	4	-	3	-	-	-	-
Librarians	4	-	3	-	-	-	-
Librarians	4	-	3	-	-	-	-
Library technicians	-	-	-	-	-	-	-
Library technicians	-	-	-	-	-	-	-
Other education, training, and library occupations	3	4	-	6	-	-	4
Teacher assistants	-	4	-	3	-	-	4
Teacher assistants	-	4	-	3	-	-	4
<b>Arts, design, entertainment, sports, and media occupations</b>	<b>58</b>	<b>51</b>	<b>53</b>	<b>46</b>	<b>52</b>	<b>57</b>	<b>43</b>
Art and design workers	10	8	10	4	7	9	-
Artists and related workers	4	3	3	-	4	-	-
Craft artists	-	-	-	-	-	-	-
Fine artists, including painters, sculptors, and illustrators	-	-	-	-	3	-	-
Designers	6	5	7	3	3	7	-
Floral designers	-	-	4	-	-	4	-
Graphic designers	-	-	-	-	-	-	-
Interior designers	-	-	-	-	-	-	-
Entertainers and performers, sports and related workers	30	32	30	26	30	30	32
Actors, producers, and directors	-	-	3	-	-	-	-
Actors	-	-	-	-	-	-	-
Producers and directors	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Athletes, coaches, umpires, and related workers	20	23	22	20	16	21	18
Athletes and sports competitors	14	15	13	12	10	13	10
Coaches and scouts	6	7	5	8	6	8	7
Umpires, referees, and other sports officials	-	-	4	-	-	-	-
Dancers and choreographers	-	-	-	-	-	-	-
Dancers	-	-	-	-	-	-	-
Musicians, singers, and related workers	-	-	-	-	7	5	9
Music directors and composers	-	-	-	-	-	-	-
Musicians and singers	-	-	-	-	7	5	9
Miscellaneous entertainers and performers, sports and related workers	5	5	3	-	5	-	4
Media and communication workers	12	-	4	5	6	10	5
Announcers	-	-	-	-	-	7	-
Radio and television announcers	-	-	-	-	-	-	-
Public address system and other announcers	-	-	-	-	-	7	-
News analysts, reporters and correspondents	3	-	-	-	-	-	-
Reporters and correspondents	3	-	-	-	-	-	-
Public relations specialists	-	-	-	-	-	-	-
Public relations specialists	-	-	-	-	-	-	-
Writers and editors	-	-	-	-	-	-	-
Editors	-	-	-	-	-	-	-
Writers and authors	-	-	-	-	-	-	-
Miscellaneous media and communication workers	-	-	-	-	-	-	-
Interpreters and translators	-	-	-	-	-	-	-
Media and communication equipment workers	6	9	9	11	9	8	5

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Broadcast and sound engineering technicians and radio operators	-	3	-	-	-	4	-
Audio and video equipment technicians	-	-	-	-	-	-	-
Radio operators	-	-	-	-	-	-	-
Sound engineering technicians	-	-	-	-	-	-	-
Photographers	4	3	6	8	5	4	3
Photographers	4	3	6	8	5	4	3
Television, video, and motion picture camera operators and editors	-	3	-	-	-	-	-
Camera operators, television, video, and motion picture	-	3	-	-	-	-	-
<b>Healthcare practitioners and technical occupations</b>	49	72	42	56	66	61	56
Health diagnosing and treating practitioners	30	40	23	41	44	36	32
Chiropractors	-	-	-	-	-	-	-
Chiropractors	-	-	-	-	-	-	-
Dentists	5	-	-	4	-	-	4
Dentists, general	4	-	-	4	-	-	3
Oral and maxillofacial surgeons	-	-	-	-	-	-	-
Optometrists	-	-	-	-	-	-	-
Optometrists	-	-	-	-	-	-	-
Pharmacists	-	3	-	-	-	-	-
Pharmacists	-	3	-	-	-	-	-
Physicians and surgeons	13	5	-	12	10	9	7
Anesthesiologists	-	-	-	-	-	-	-
Family and general practitioners	-	-	-	-	-	-	-
Obstetricians and gynecologists	-	-	-	-	-	-	-
Psychiatrists	-	-	-	-	-	-	-
Surgeons	3	-	-	4	-	-	-
Physician assistants	-	-	-	-	-	-	-
Physician assistants	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Registered nurses	7	23	13	20	25	16	12
Registered nurses	7	23	13	20	25	16	12
Therapists	-	4	-	-	4	5	-
Physical therapists	-	-	-	-	-	-	-
Respiratory therapists	-	-	-	-	-	-	-
Veterinarians	4	3	-	-	-	3	5
Veterinarians	4	3	-	-	-	3	5
Registered nurses	-	-	-	-	-	-	-
Registered nurses	-	-	-	-	-	-	-
Nurse anesthetists	-	-	-	-	-	-	-
Nurse anesthetists	-	-	-	-	-	-	-
Miscellaneous health diagnosing and treating practitioners	-	-	-	-	-	-	-
Health technologists and technicians	16	31	19	15	20	24	23
Clinical laboratory technologists and technicians	-	-	-	-	-	3	4
Medical and clinical laboratory technologists	-	-	-	-	-	-	-
Medical and clinical laboratory technicians	-	-	-	-	-	3	4
Diagnostic related technologists and technicians	-	-	-	-	-	-	-
Diagnostic medical sonographers	-	-	-	-	-	-	-
Emergency medical technicians and paramedics	7	19	10	10	13	15	13
Emergency medical technicians and paramedics	7	19	10	10	13	15	13
Health diagnosing and treating practitioner support technicians	-	6	4	-	-	-	-
Dietetic technicians	-	-	-	-	-	-	-
Psychiatric technicians	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Veterinary technologists and technicians	-	-	-	-	-	-	-
Licensed practical and licensed vocational nurses	4	4	-	3	3	4	3
Licensed practical and licensed vocational nurses	4	4	-	3	3	4	3
Opticians, dispensing	-	-	-	-	-	-	-
Opticians, dispensing	-	-	-	-	-	-	-
Other healthcare practitioners and technical occupations	3	-	-	-	-	-	-
Occupational health and safety specialists and technicians	-	-	-	-	-	-	-
Occupational health and safety specialists	-	-	-	-	-	-	-
Occupational health and safety technicians	-	-	-	-	-	-	-
Miscellaneous health practitioners and technical workers	-	-	-	-	-	-	-
Athletic trainers	-	-	-	-	-	-	-
<b>Service occupations</b>	704	671	662	732	739	681	634
<b>Healthcare support occupations</b>	20	12	19	23	14	19	25
Nursing, psychiatric, and home health aides	14	9	17	18	10	12	19
Nursing, psychiatric, and home health aides	14	9	17	18	10	12	19
Home health aides	4	7	11	8	5	6	7
Nursing aides, orderlies, and attendants	10	-	6	10	5	6	12
Psychiatric aides	-	-	-	-	-	-	-
Nursing assistants	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other healthcare support occupations	5	3	-	5	4	7	4
Miscellaneous healthcare support occupations	4	-	-	5	-	7	3
Medical equipment preparers	-	-	-	-	-	-	-
Phlebotomists	-	-	-	-	-	-	-
<b>Protective service occupations</b>	312	273	258	284	346	306	244
First-line supervisors/managers, protective service workers	24	24	15	22	20	31	26
First-line supervisors/managers, law enforcement workers	12	10	4	13	7	13	12
First-line supervisors of correctional officers	-	-	-	-	-	-	-
First-line supervisors of police and detectives	10	10	4	13	6	12	11
First-line supervisors of fire fighting and prevention workers	4	10	10	8	12	14	11
First-line supervisors of fire fighting and prevention workers	4	10	10	8	12	14	11
Miscellaneous first-line supervisors, protective service workers	8	4	-	-	-	4	3
Fire fighting and prevention workers	45	30	28	44	51	44	29
Firefighters	45	29	28	42	50	44	29
Firefighters	45	29	28	42	50	44	29
Fire inspectors	-	-	-	-	-	-	-
Forest fire inspectors and prevention specialists	-	-	-	-	-	-	-
Law enforcement workers	153	136	143	131	169	145	107
Bailiffs, correctional officers, and jailers	11	5	6	11	12	20	8
Bailiffs	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Correctional officers and jailers	11	5	6	11	12	18	8
Detectives and criminal investigators	9	9	10	10	7	11	3
Detectives and criminal investigators	9	9	10	10	7	11	3
Fish and game wardens	3	-	-	-	4	-	-
Fish and game wardens	3	-	-	-	4	-	-
Police officers	129	121	125	110	146	113	96
Police and sheriff's patrol officers	128	121	125	110	146	112	96
Other protective service workers	90	83	72	87	106	86	82
Animal control workers	-	-	-	-	-	-	-
Animal control workers	-	-	-	-	-	-	-
Private detectives and investigators	-	-	-	-	-	-	-
Private detectives and investigators	-	-	-	-	-	-	-
Security guards and gaming surveillance officers	71	69	60	73	84	70	64
Security guards	71	67	60	73	84	70	63
Miscellaneous protective service workers	18	13	12	13	21	13	17
Crossing guards	17	7	10	9	14	9	12
Lifeguards, ski patrol, and other recreational protective service workers	-	-	-	-	-	4	-
Transportation security screeners	-	-	-	-	-	-	-
<b>Food preparation and serving related occupations</b>	72	52	59	86	61	65	59
Supervisors, food preparation and serving workers	20	10	26	30	24	24	15
First-line supervisors/managers, food preparation and serving workers	20	10	26	30	24	24	15
Chefs and head cooks	4	-	-	3	3	5	4
First-line supervisors of food preparation and serving workers	16	10	25	27	21	19	11
Cooks	18	10	14	15	12	12	16
Cooks	16	9	12	12	12	10	12

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Cooks, fast food	7	-	-	-	-	-	-
Cooks, institution and cafeteria	-	-	3	-	-	-	-
Cooks, restaurant	5	5	9	5	8	7	8
Food preparation workers	-	-	-	3	-	-	4
Food preparation workers	-	-	-	3	-	-	4
Food and beverage serving workers	28	27	15	31	18	22	26
Bartenders	8	11	5	7	4	7	6
Bartenders	8	11	5	7	4	7	6
Fast food and counter workers	10	10	7	11	9	12	11
Combined food preparation and serving workers, including fast food	8	7	7	7	7	8	7
Counter attendants, cafeteria, food concession, and coffee shop	-	3	-	4	-	4	4
Waiters and waitresses	10	5	-	12	4	3	7
Waiters and waitresses	10	5	-	12	4	3	7
Food servers, nonrestaurant	-	-	-	-	-	-	-
Food servers, nonrestaurant	-	-	-	-	-	-	-
Other food preparation and serving related workers	6	5	4	10	7	7	-
Dining room and cafeteria attendants and bartender helpers	-	3	-	6	-	-	-
Dining room and cafeteria attendants and bartender helpers	-	3	-	6	-	-	-
Dishwashers	5	-	4	-	4	3	-
Dishwashers	5	-	4	-	4	3	-
Miscellaneous food preparation and serving related workers	-	-	-	3	-	-	-
<b>Building and grounds cleaning and maintenance occupations</b>	<b>247</b>	<b>278</b>	<b>264</b>	<b>282</b>	<b>255</b>	<b>234</b>	<b>258</b>

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Supervisors, building and grounds cleaning and maintenance workers	41	43	36	37	33	37	48
First-line supervisors/managers, building and grounds cleaning and maintenance workers	41	43	36	37	33	37	48
First-line supervisors of housekeeping and janitorial workers	9	6	7	7	3	9	5
First-line supervisors of landscaping, lawn service, and groundskeeping workers	32	37	29	30	30	28	43
Building cleaning and pest control workers	50	66	58	75	62	66	56
Building cleaning workers	48	63	56	69	59	59	53
Janitors and cleaners, except maids and housekeeping cleaners	43	47	46	56	43	53	40
Maids and housekeeping cleaners	5	15	7	10	14	-	12
Pest control workers	-	3	-	6	3	7	3
Pest control workers	-	3	-	6	3	7	3
Grounds maintenance workers	156	169	170	170	160	131	154
Grounds maintenance workers	156	169	170	170	160	131	154
Landscaping and groundskeeping workers	80	99	109	100	90	81	97
Pesticide handlers, sprayers, and applicators, vegetation	-	-	-	-	-	-	-
Tree trimmers and pruners	67	65	60	67	69	49	56
<b>Personal care and service occupations</b>	53	56	62	57	63	57	48
Supervisors, personal care and service workers	-	6	6	5	5	6	7
First-line supervisors/managers of personal service workers	-	6	6	5	5	6	6
First-line supervisors of personal service workers	-	6	6	5	5	6	6
Animal care and service workers	18	11	6	13	10	8	8
Animal trainers	8	5	3	8	5	4	3



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Animal trainers	8	5	3	8	5	4	3
Nonfarm animal caretakers	10	6	3	5	5	4	5
Nonfarm animal caretakers	10	6	3	5	5	4	5
Entertainment attendants and related workers	10	7	7	8	9	7	8
Ushers, lobby attendants, and ticket takers	-	-	-	-	-	-	-
Ushers, lobby attendants, and ticket takers	-	-	-	-	-	-	-
Miscellaneous entertainment attendants and related workers	7	7	6	6	7	6	5
Amusement and recreation attendants	6	6	6	6	7	5	5
Funeral service workers	-	-	-	-	-	-	-
Funeral attendants	-	-	-	-	-	-	-
Funeral attendants	-	-	-	-	-	-	-
Morticians, undertakers, and funeral directors	-	-	-	-	-	-	-
Morticians, undertakers, and funeral directors	-	-	-	-	-	-	-
Personal appearance workers	7	7	11	6	11	12	10
Barbers and cosmetologists	6	5	11	6	11	9	10
Barbers	4	3	8	-	8	6	7
Hairdressers, hairstylists, and cosmetologists	-	-	-	4	3	3	3
Miscellaneous personal appearance workers	-	-	-	-	-	-	-
Manicurists and pedicurists	-	-	-	-	-	-	-
Transportation, tourism, and lodging attendants	5	7	12	5	8	9	6
Tour and travel guides	3	5	10	3	5	5	3
Tour guides and escorts	3	5	9	3	5	5	3
Tour and travel guides	-	-	-	-	-	-	-
Tour and travel guides	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Tour guides and escorts	-	-	-	-	-	-	-
Travel guides	-	-	-	-	-	-	-
Other personal care and service workers	10	17	19	20	20	15	9
Child care workers	-	6	4	9	5	-	3
Childcare workers	-	6	4	9	5	-	3
Personal and home care aides	-	4	-	6	7	5	-
Personal care aides	-	4	-	6	7	5	-
Recreation and fitness workers	3	5	7	-	4	6	-
Fitness trainers and aerobics instructors	-	-	-	-	-	-	-
Recreation workers	3	4	7	-	4	6	-
Residential advisors	-	-	-	-	-	-	-
Residential advisors	-	-	-	-	-	-	-
Miscellaneous personal care and service workers	3	-	6	3	3	-	-
<b>Sales and office occupations</b>	<b>460</b>	<b>446</b>	<b>434</b>	<b>404</b>	<b>461</b>	<b>364</b>	<b>383</b>
<b>Sales and related occupations</b>	<b>348</b>	<b>355</b>	<b>324</b>	<b>316</b>	<b>327</b>	<b>275</b>	<b>290</b>
Supervisors, sales workers	161	159	134	135	156	130	164
First-line supervisors/managers, sales workers	161	159	134	135	156	130	164
First-line supervisors of retail sales workers	124	131	105	112	134	113	130
First-line supervisors of non-retail sales workers	37	28	29	23	22	17	34
Retail sales workers	106	101	112	101	100	91	75
Cashiers	50	54	64	57	44	43	43
Cashiers	50	54	64	57	44	43	43
Gaming change persons and booth cashiers	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Counter and rental clerks and parts salespersons	9	6	8	6	10	4	5
Counter and rental clerks	6	3	4	5	5	-	-
Parts salespersons	3	3	4	-	5	-	3
Retail salespersons	47	41	40	38	46	44	27
Retail salespersons	47	41	40	38	46	44	27
Sales representatives, services	14	21	18	23	14	13	13
Advertising sales agents	-	3	-	-	-	-	-
Advertising sales agents	-	3	-	-	-	-	-
Insurance sales agents	-	5	5	5	4	4	-
Insurance sales agents	-	5	5	5	4	4	-
Securities, commodities, and financial services sales agents	-	5	4	-	-	-	-
Securities, commodities, and financial services sales agents	-	5	4	-	-	-	-
Travel agents	-	-	-	-	-	-	-
Travel agents	-	-	-	-	-	-	-
Miscellaneous sales representatives, services	8	7	9	14	7	6	9
Sales representatives, wholesale and manufacturing	27	34	26	26	28	16	25
Sales representatives, wholesale and manufacturing	27	34	26	26	28	16	25
Sales representatives, wholesale and manufacturing, technical and scientific products	10	12	6	11	12	3	7
Sales representatives, wholesale and manufacturing, except technical and scientific products	17	22	20	15	16	13	18
Other sales and related workers	40	40	34	31	29	25	13
Models, demonstrators, and product promoters	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Models	-	-	-	-	-	-	-
Real estate brokers and sales agents	12	11	9	11	7	9	3
Real estate brokers	-	5	3	-	-	3	-
Real estate sales agents	10	6	6	8	6	6	3
Sales engineers	-	-	-	-	-	-	-
Sales engineers	-	-	-	-	-	-	-
Miscellaneous sales and related workers	26	26	24	18	20	16	10
Door-to-door sales workers, news and street vendors, and related workers	23	22	18	14	12	12	8
<b>Office and administrative support occupations</b>	112	91	110	88	134	89	93
Supervisors of office and administrative support workers	7	4	8	10	7	6	12
First-line supervisors/managers of office and administrative support workers	7	4	8	10	7	6	12
First-line supervisors of office and administrative support workers	7	4	8	10	7	6	12
Financial clerks	11	8	8	5	14	6	8
Bill and account collectors	3	-	-	-	-	-	3
Bill and account collectors	3	-	-	-	-	-	3
Bookkeeping, accounting, and auditing clerks	3	-	5	3	6	3	4
Bookkeeping, accounting, and auditing clerks	3	-	5	3	6	3	4
Procurement clerks	-	-	-	-	-	-	-
Procurement clerks	-	-	-	-	-	-	-
Tellers	3	3	-	-	5	-	-
Tellers	3	3	-	-	5	-	-
Miscellaneous financial clerks	-	-	-	-	-	-	-
Information and record clerks	11	9	22	7	13	10	15
Court, municipal, and license clerks	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Court, municipal, and license clerks	-	-	-	-	-	-	-
Customer service representatives	4	-	5	3	6	3	-
Customer service representatives	4	-	5	3	6	3	-
Eligibility interviewers, government programs	-	-	-	-	-	-	-
Eligibility interviewers, government programs	-	-	-	-	-	-	-
File clerks	-	-	-	-	-	-	-
File clerks	-	-	-	-	-	-	-
Hotel, motel, and resort desk clerks	-	-	9	-	4	4	-
Hotel, motel, and resort desk clerks	-	-	9	-	4	4	-
Interviewers, except eligibility and loan	-	-	-	-	-	-	6
Interviewers, except eligibility and loan	-	-	-	-	-	-	6
Library assistants, clerical	-	-	-	-	-	-	-
Library assistants, clerical	-	-	-	-	-	-	-
Receptionists and information clerks	-	4	3	-	-	-	4
Receptionists and information clerks	-	4	3	-	-	-	4
Miscellaneous information and record clerks	-	-	-	-	-	-	-
Material recording, scheduling, dispatching, and distributing workers	56	50	57	49	64	39	39
Cargo and freight agents	-	-	-	-	-	-	-
Cargo and freight agents	-	-	-	-	-	-	-
Couriers and messengers	12	17	12	5	15	13	10
Couriers and messengers	12	17	12	5	15	13	10
Dispatchers	4	-	3	3	3	-	-
Dispatchers, except police, fire, and ambulance	3	-	-	3	3	-	-
Meter readers, utilities	-	-	-	-	3	-	-
Meter readers, utilities	-	-	-	-	3	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Postal service workers	12	14	18	16	12	14	13
Postal service clerks	-	-	-	-	-	-	3
Postal service mail carriers, processors, and processing machine operators	11	11	14	9	12	12	10
Production, planning, and expediting clerks	-	-	-	6	-	-	-
Production, planning, and expediting clerks	-	-	-	-	-	-	-
Shipping, receiving, and traffic clerks	5	-	3	5	9	-	-
Shipping, receiving, and traffic clerks	5	-	3	5	9	-	-
Stock clerks and order fillers	18	14	20	15	17	3	10
Stock clerks and order fillers	18	14	20	15	17	3	10
Weighers, measurers, checkers, and samplers, recordkeeping	-	-	-	-	-	-	-
Weighers, measurers, checkers, and samplers, recordkeeping	-	-	-	-	-	-	-
Secretaries and administrative assistants	10	6	9	6	13	17	6
Secretaries and administrative assistants	10	6	9	6	13	17	6
Executive secretaries and executive administrative assistants	-	-	7	-	-	4	-
Legal secretaries	-	-	-	-	-	-	-
Medical secretaries	-	-	-	-	-	-	-
Secretaries and administrative assistants, except legal, medical, and executive	7	4	-	-	10	11	5
Other office and administrative support workers	17	14	6	11	23	11	12
Insurance claims and policy processing clerks	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Insurance claims and policy processing clerks	-	-	-	-	-	-	-
Mail clerks and mail machine operators, except postal service	-	-	-	-	-	-	3
Mail clerks and mail machine operators, except postal service	-	-	-	-	-	-	3
Office clerks, general	8	7	6	7	12	7	6
Office clerks, general	8	7	6	7	12	7	6
Miscellaneous office and administrative support workers	4	-	-	-	4	-	-
<b>Natural resources, construction, and maintenance occupations</b>	1,737	1,807	1,906	1,993	1,810	1,617	1,403
<b>Farming, fishing, and forestry occupations</b>	305	285	325	297	258	286	239
Supervisors, farming, fishing, and forestry workers	11	11	12	11	16	9	16
First-line supervisors/managers of farming, fishing, and forestry workers	11	11	12	11	16	9	16
First-line supervisors of farming, fishing, and forestry workers	11	8	12	11	15	9	15
Farm labor contractors	-	3	-	-	-	-	-
Agricultural workers	136	145	178	166	125	142	127
Agricultural inspectors	-	-	-	3	-	-	-
Agricultural inspectors	-	-	-	3	-	-	-
Animal breeders	-	-	-	-	-	-	-
Animal breeders	-	-	-	-	-	-	-
Graders and sorters, agricultural products	-	-	-	-	-	-	-
Graders and sorters, agricultural products	-	-	-	-	-	-	-
Miscellaneous agricultural workers	130	142	176	162	124	141	124

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Agricultural equipment operators	12	11	19	18	17	8	10
Farmworkers and laborers, crop, nursery, and greenhouse	63	84	101	89	56	78	70
Farmworkers, farm, ranch, and aquacultural animals	52	42	54	51	50	53	42
Fishing and hunting workers	50	40	48	53	39	50	58
Fishers and related fishing workers	48	40	48	53	38	50	57
Fishers and related fishing workers	48	40	48	53	38	50	57
Hunters and trappers	-	-	-	-	-	-	-
Hunters and trappers	-	-	-	-	-	-	-
Forest, conservation, and logging workers	108	89	87	67	78	85	38
Forest and conservation workers	3	-	6	-	-	-	-
Forest and conservation workers	3	-	6	-	-	-	-
Logging workers	105	85	81	66	76	85	36
Fallers	57	55	59	40	58	72	22
Logging equipment operators	25	13	7	5	9	3	7
<b>Construction and extraction occupations</b>	<b>1,038</b>	<b>1,138</b>	<b>1,184</b>	<b>1,273</b>	<b>1,172</b>	<b>977</b>	<b>838</b>
Supervisors of construction and extraction workers	112	116	122	118	120	111	112
First-line supervisors/managers of construction trades and extraction workers	112	116	122	118	120	111	112
First-line supervisors of construction trades and extraction workers	112	116	122	118	120	111	112
Construction trades workers	788	879	894	977	894	726	621
Boilermakers	4	4	4	6	-	5	-
Boilermakers	4	4	4	6	-	5	-
Brickmasons, blockmasons, and stonemasons	13	18	22	11	27	23	10
Brickmasons and blockmasons	11	18	18	10	23	22	8
Stonemasons	-	-	4	-	4	-	-
Carpenters	96	111	129	115	109	70	84



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Carpenters	96	111	129	115	109	70	84
Carpet, floor, and tile installers and finishers	3	7	6	5	5	4	5
Carpet installers	-	3	3	-	-	-	3
Floor layers, except carpet, wood, and hard tiles	-	-	-	-	-	-	-
Floor sanders and finishers	-	-	-	-	-	-	-
Tile and marble setters	-	-	-	-	-	-	-
Cement masons, concrete finishers, and terrazzo workers	12	14	12	12	5	8	-
Cement masons and concrete finishers	12	14	12	12	5	7	-
Construction laborers	290	296	343	365	345	241	229
Construction laborers	290	296	343	365	345	241	229
Construction equipment operators	63	72	93	96	55	73	50
Paving, surfacing, and tamping equipment operators	5	9	18	12	10	7	8
Operating engineers and other construction equipment operators	57	61	74	82	45	66	41
Drywall installers, ceiling tile installers, and tapers	13	13	11	16	9	7	6
Drywall and ceiling tile installers	13	13	11	16	9	7	6
Electricians	87	94	82	118	95	74	84
Electricians	87	94	82	118	95	74	84
Glaziers	4	4	-	4	4	5	-
Glaziers	4	4	-	4	4	5	-
Insulation workers	3	-	4	5	6	5	-
Insulation workers, floor, ceiling, and wall	3	-	4	5	5	3	-
Insulation workers, mechanical	-	-	-	-	-	-	-
Painters and paperhangers	57	62	36	55	42	52	26
Painters, construction and maintenance	56	61	34	54	42	50	26

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Paperhangers	-	-	-	-	-	-	-
Pipelayers, plumbers, pipefitters, and steamfitters	38	37	50	34	50	39	38
Pipelayers	6	10	8	9	18	8	-
Plumbers, pipefitters, and steamfitters	32	27	42	25	32	31	36
Plasterers and stucco masons	8	3	4	6	6	4	-
Plasterers and stucco masons	8	3	4	6	6	4	-
Reinforcing iron and rebar workers	-	3	5	-	3	-	-
Reinforcing iron and rebar workers	-	3	5	-	3	-	-
Roofers	55	95	53	81	79	69	60
Roofers	55	95	53	81	79	69	60
Sheet metal workers	5	14	4	12	12	9	4
Sheet metal workers	5	14	4	12	12	9	4
Structural iron and steel workers	37	31	35	36	40	36	18
Structural iron and steel workers	37	31	35	36	40	36	18
Solar photovoltaic installers	-	-	-	-	-	-	-
Solar photovoltaic installers	-	-	-	-	-	-	-
Helpers, construction trades	26	21	23	10	18	15	8
Helpers, construction trades	26	21	23	10	18	15	8
Helpers--brickmasons, blockmasons, stonemasons, and tile and marble setters	3	3	-	3	-	-	-
Helpers--carpenters	-	-	6	-	3	-	-
Helpers--electricians	4	10	4	-	5	6	-
Helpers--pipelayers, plumbers, pipefitters, and steamfitters	3	3	7	3	-	4	-
Helpers--roofers	5	-	-	-	-	-	-
Other construction and related workers	44	45	64	52	37	43	38
Construction and building inspectors	6	8	5	7	4	3	7
Construction and building inspectors	6	8	5	7	4	3	7
Elevator installers and repairers	-	6	3	7	4	3	4

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Elevator installers and repairers	-	6	3	7	4	3	4
Fence erectors	-	-	3	6	-	-	3
Fence erectors	-	-	3	6	-	-	3
Hazardous materials removal workers	4	-	7	3	-	-	-
Hazardous materials removal workers	4	-	7	3	-	-	-
Highway maintenance workers	17	21	29	17	12	21	16
Highway maintenance workers	17	21	29	17	12	21	16
Rail-track laying and maintenance equipment operators	-	-	4	3	-	-	-
Rail-track laying and maintenance equipment operators	-	-	4	3	-	-	-
Septic tank servicers and sewer pipe cleaners	-	-	5	-	4	4	-
Septic tank servicers and sewer pipe cleaners	-	-	5	-	4	4	-
Miscellaneous construction and related workers	11	7	8	7	9	9	4
Extraction workers	68	77	81	116	103	82	59
Derrick, rotary drill, and service unit operators, oil, gas, and mining	12	15	21	22	20	14	13
Derrick operators, oil and gas	4	6	11	12	7	7	5
Rotary drill operators, oil and gas	8	8	9	8	11	6	5
Service unit operators, oil, gas, and mining	-	-	-	-	-	-	3
Earth drillers, except oil and gas	12	8	4	14	8	5	6
Earth drillers, except oil and gas	12	8	4	14	8	5	6
Explosives workers, ordnance handling experts, and blasters	-	-	-	-	-	-	-
Explosives workers, ordnance handling experts, and blasters	-	-	-	-	-	-	-
Mining machine operators	11	20	13	22	16	19	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Continuous mining machine operators	3	4	3	-	-	-	-
Rock splitters, quarry	-	-	-	-	-	-	-
Rock splitters, quarry	-	-	-	-	-	-	-
Roof bolters, mining	-	3	4	15	3	3	-
Roof bolters, mining	-	3	4	15	3	3	-
Roustabouts, oil and gas	8	7	10	10	5	9	9
Roustabouts, oil and gas	8	7	10	10	5	9	9
Helpers--extraction workers	4	3	5	5	6	-	-
Helpers--extraction workers	4	3	5	5	6	-	-
Miscellaneous extraction workers	19	18	23	28	44	29	21
<b>Installation, maintenance, and repair occupations</b>	<b>394</b>	<b>384</b>	<b>397</b>	<b>423</b>	<b>380</b>	<b>354</b>	<b>326</b>
Supervisors of installation, maintenance, and repair workers	34	43	19	23	24	26	21
First-line supervisors/managers of mechanics, installers, and repairers	34	43	19	23	24	26	21
First-line supervisors of mechanics, installers, and repairers	34	43	19	23	24	26	21
Electrical and electronic equipment mechanics, installers, and repairers	20	13	17	20	21	23	16
Computer, automated teller, and office machine repairers	4	3	-	3	-	-	3
Computer, automated teller, and office machine repairers	4	3	-	3	-	-	3
Radio and telecommunications equipment installers and repairers	11	4	3	6	5	10	6
Radio, cellular, and tower equipment, installers and repairers	-	-	-	-	-	-	-
Telecommunications equipment installers and repairers, except line installers	10	4	3	6	5	9	6

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Miscellaneous electrical and electronic equipment mechanics, installers, and repairers	5	6	12	11	16	11	7
Electric motor, power tool, and related repairers	-	3	-	-	-	3	-
Electrical and electronics installers and repairers, transportation equipment	-	-	-	-	-	-	-
Electrical and electronics repairers, commercial and industrial equipment	-	-	4	3	-	-	-
Electrical and electronics repairers, powerhouse, substation, and relay	-	-	-	-	-	-	-
Electronic equipment installers and repairers, motor vehicles	-	-	-	-	-	-	-
Electronic home entertainment equipment installers and repairers	-	-	3	-	4	-	5
Security and fire alarm systems installers	-	-	-	3	5	-	-
Vehicle and mobile equipment mechanics, installers, and repairers	122	122	138	139	118	112	124
Aircraft mechanics and service technicians	3	4	4	6	9	5	8
Aircraft mechanics and service technicians	3	4	4	6	9	5	8
Automotive technicians and repairers	69	51	61	53	42	47	53
Automotive body and related repairers	11	11	10	6	4	3	9
Automotive glass installers and repairers	-	-	-	-	-	-	-
Automotive service technicians and mechanics	57	39	51	46	36	44	43
Bus and truck mechanics and diesel engine specialists	17	22	31	18	28	31	24
Bus and truck mechanics and diesel engine specialists	17	22	31	18	28	31	24

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heavy vehicle and mobile equipment service technicians and mechanics	21	26	32	43	25	24	25
Farm equipment mechanics and service technicians	3	5	7	7	7	9	9
Mobile heavy equipment mechanics, except engines	17	19	22	31	17	14	16
Rail car repairers	-	-	3	5	-	-	-
Small engine mechanics	-	3	4	8	-	-	3
Motorboat mechanics and service technicians	-	-	-	-	-	-	-
Motorcycle mechanics	-	-	3	4	-	-	-
Outdoor power equipment and other small engine mechanics	-	-	-	-	-	-	-
Miscellaneous vehicle and mobile equipment mechanics, installers, and repairers	10	16	6	11	12	3	11
Bicycle repairers	-	-	-	-	-	-	-
Recreational vehicle service technicians	-	-	-	-	-	-	-
Tire repairers and changers	8	16	6	10	11	3	11
Other installation, maintenance, and repair occupations	218	206	223	241	217	193	165
Control and valve installers and repairers	-	4	-	-	-	-	-
Mechanical door repairers	-	-	-	-	-	-	-
Control and valve installers and repairers, except mechanical door	-	3	-	-	-	-	-
Heating, air conditioning, and refrigeration mechanics and installers	31	24	27	28	33	19	20
Heating, air conditioning, and refrigeration mechanics and installers	31	24	27	28	33	19	20
Home appliance repairers	-	-	-	-	-	3	-
Home appliance repairers	-	-	-	-	-	3	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Industrial machinery installation, repair, and maintenance workers	97	91	106	118	95	87	81
Industrial machinery mechanics	26	39	37	36	36	29	23
Maintenance and repair workers, general	54	39	57	69	47	42	49
Maintenance workers, machinery	10	6	4	8	4	5	6
Millwrights	7	7	8	5	8	11	3
Line installers and repairers	54	50	51	56	54	45	36
Electrical power-line installers and repairers	38	36	37	38	30	35	19
Telecommunications line installers and repairers	16	14	14	18	24	10	17
Precision instrument and equipment repairers	4	-	-	-	-	-	-
Watch repairers	-	-	-	-	-	-	-
Maintenance and repair workers, general	-	-	-	-	-	-	-
Maintenance and repair workers, general	-	-	-	-	-	-	-
Miscellaneous installation, maintenance, and repair workers	29	35	36	36	33	36	24
Coin, vending, and amusement machine servicers and repairers	-	5	-	-	3	3	-
Commercial divers	6	-	6	4	9	3	6
Locksmiths and safe repairers	-	3	-	-	-	-	-
Manufactured building and mobile home installers	-	3	3	-	-	-	-
Riggers	-	4	-	4	6	9	3
Signal and track switch repairers	-	-	-	-	-	3	-
Helpers--installation, maintenance, and repair workers	5	3	10	6	4	3	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Production, transportation, and material moving occupations</b>	1,676	1,801	1,823	1,786	1,769	1,643	1,256
<b>Production occupations</b>	283	290	272	285	266	267	197
Supervisors of production workers	36	37	39	25	30	36	24
First-line supervisors/managers of production and operating workers	36	37	39	25	30	36	24
First-line supervisors of production and operating workers	36	37	39	25	30	36	24
Assemblers and fabricators	34	19	26	21	17	14	16
Electrical, electronics, and electromechanical assemblers	-	-	-	-	3	-	3
Electrical and electronic equipment assemblers	-	-	-	-	-	-	-
Engine and other machine assemblers	-	-	-	-	-	-	-
Engine and other machine assemblers	-	-	-	-	-	-	-
Structural metal fabricators and fitters	3	-	-	6	-	3	-
Structural metal fabricators and fitters	3	-	-	6	-	3	-
Miscellaneous assemblers and fabricators	29	14	22	14	13	10	12
Fiberglass laminators and fabricators	-	-	-	-	-	-	-
Team assemblers	-	-	-	-	-	-	-
Food processing workers	14	13	9	8	10	6	7
Bakers	-	-	-	-	-	-	-
Bakers	-	-	-	-	-	-	-
Butchers and other meat, poultry, and fish processing workers	9	10	7	4	6	3	4
Butchers and meat cutters	6	-	4	-	-	-	-
Meat, poultry, and fish cutters and trimmers	3	-	-	-	3	-	-
Slaughterers and meat packers	-	8	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Miscellaneous food processing workers	3	-	-	3	3	-	-
Food and tobacco roasting, baking, and drying machine operators and tenders	3	-	-	-	-	-	-
Food batchmakers	-	-	-	3	-	-	-
Food cooking machine operators and tenders	-	-	-	-	-	-	-
Metal workers and plastic workers	83	85	83	87	87	102	74
Computer control programmers and operators	-	-	-	-	-	-	-
Computer-controlled machine tool operators, metal and plastic	-	-	-	-	-	-	-
Forming machine setters, operators, and tenders, metal and plastic	4	-	3	-	-	5	-
Extruding and drawing machine setters, operators, and tenders, metal and plastic	-	-	-	-	-	-	-
Forging machine setters, operators, and tenders, metal and plastic	-	-	-	-	-	3	-
Rolling machine setters, operators, and tenders, metal and plastic	-	-	-	-	-	-	-
Machine tool cutting setters, operators, and tenders, metal and plastic	4	4	9	8	11	4	7
Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	-	-	4	-	8	-	3
Drilling and boring machine tool setters, operators, and tenders, metal and plastic	-	-	-	-	-	-	-
Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	-	3	-	3	-	-	-
Machinists	5	10	5	4	13	9	14
Machinists	5	10	5	4	13	9	14
Metal furnace and kiln operators and tenders	3	6	3	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Metal-refining furnace operators and tenders	-	6	3	-	-	-	-
Pourers and casters, metal	-	-	-	-	-	-	-
Molders and molding machine setters, operators, and tenders, metal and plastic	5	4	-	-	-	6	-
Foundry mold and coremakers	-	-	-	-	-	-	-
Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	4	3	-	-	-	-	-
Tool and die makers	-	-	-	-	-	-	-
Tool and die makers	-	-	-	-	-	-	-
Welding, soldering, and brazing workers	50	48	56	55	42	65	40
Welders, cutters, solderers, and brazers	48	46	53	54	41	65	39
Welding, soldering, and brazing machine setters, operators, and tenders	-	-	3	-	-	-	-
Miscellaneous metalworkers and plastic workers	10	10	3	14	14	12	5
Plating and coating machine setters, operators, and tenders, metal and plastic	-	-	-	-	3	-	3
Printing workers <sup>7</sup>	-	4	8	4	3	4	-
Printers	-	3	8	3	3	4	-
Printing machine operators	-	-	7	3	-	3	-
Printing workers <sup>7</sup>	-	-	-	-	-	-	-
Printing workers <sup>7</sup>	-	-	-	-	-	-	-
Printing press operators	-	-	-	-	-	-	-
Textile, apparel, and furnishings workers	7	7	5	11	5	7	4
Laundry and dry-cleaning workers	6	-	4	6	-	-	-
Laundry and dry-cleaning workers	6	-	4	6	-	-	-
Sewing machine operators	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Sewing machine operators	-	-	-	-	-	-	-
Shoe and leather workers	-	-	-	-	-	-	-
Shoe and leather workers and repairers	-	-	-	-	-	-	-
Textile machine setters, operators, and tenders	-	-	-	-	-	-	-
Textile bleaching and dyeing machine operators and tenders	-	-	-	-	-	-	-
Textile knitting and weaving machine setters, operators, and tenders	-	-	-	-	-	-	-
Miscellaneous textile, apparel, and furnishings workers	-	-	-	3	-	-	-
Upholsterers	-	-	-	-	-	-	-
Woodworkers	7	15	7	14	10	5	12
Cabinetmakers and bench carpenters	-	3	-	-	-	-	-
Cabinetmakers and bench carpenters	-	3	-	-	-	-	-
Furniture finishers	-	-	-	-	-	-	-
Furniture finishers	-	-	-	-	-	-	-
Woodworking machine setters, operators, and tenders	4	12	7	12	6	3	10
Sawing machine setters, operators, and tenders, wood	3	9	7	10	3	-	8
Woodworking machine setters, operators, and tenders, except sawing	-	3	-	-	3	-	-
Miscellaneous woodworkers	-	-	-	-	-	-	-
Plant and system operators	15	14	15	19	15	13	7
Power plant operators, distributors, and dispatchers	-	-	-	-	-	-	-
Power plant operators	-	-	-	-	-	-	-
Stationary engineers and boiler operators	6	3	4	6	5	7	3
Stationary engineers and boiler operators	6	3	4	6	5	7	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Water and liquid waste treatment plant and system operators	5	6	7	6	4	-	3
Water and wastewater treatment plant and system operators	5	6	7	6	4	-	3
Miscellaneous plant and system operators	3	3	4	5	5	4	-
Chemical plant and system operators	-	-	-	-	-	-	-
Petroleum pump system operators, refinery operators, and gaugers	-	-	-	-	-	-	-
Other production occupations	85	96	80	96	89	80	51
Chemical processing machine setters, operators, and tenders	3	7	6	-	-	5	-
Chemical equipment operators and tenders	3	6	4	-	-	-	-
Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	-	-	-	-	-	-	-
Crushing, grinding, polishing, mixing, and blending workers	7	9	7	4	7	4	-
Crushing, grinding, and polishing machine setters, operators, and tenders	-	4	4	-	-	-	-
Grinding and polishing workers, hand	-	-	-	-	-	-	-
Mixing and blending machine setters, operators, and tenders	-	4	-	3	5	3	-
Cutting workers	-	-	4	-	6	-	-
Cutting and slicing machine setters, operators, and tenders	-	-	3	-	6	-	-
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	4	3	3	5	4	3	-
Extruding, forming, pressing, and compacting machine setters, operators, and tenders	4	3	3	5	4	3	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Furnace, kiln, oven, drier, and kettle operators and tenders	5	-	-	-	-	-	-
Furnace, kiln, oven, drier, and kettle operators and tenders	5	-	-	-	-	-	-
Inspectors, testers, sorters, samplers, and weighers	9	14	13	15	19	11	6
Inspectors, testers, sorters, samplers, and weighers	9	14	13	15	19	11	6
Jewelers and precious stone and metal workers	-	-	-	-	-	-	-
Jewelers and precious stone and metal workers	-	-	-	-	-	-	-
Packaging and filling machine operators and tenders	4	4	4	7	3	4	4
Packaging and filling machine operators and tenders	4	4	4	7	3	4	4
Painting workers	-	5	5	9	3	6	-
Coating, painting, and spraying machine setters, operators, and tenders	-	-	-	-	-	3	-
Painters, transportation equipment	-	3	3	-	-	-	-
Painting, coating, and decorating workers	-	-	-	6	-	-	-
Semiconductor processors	-	-	-	-	-	-	-
Semiconductor processors	-	-	-	-	-	-	-
Miscellaneous production workers	50	47	36	50	44	45	32
Molders, shapers, and casters, except metal and plastic	-	-	-	-	-	-	-
Paper goods machine setters, operators, and tenders	-	3	-	-	4	4	-
Tire builders	-	-	-	-	-	-	-
Helpers--production workers	8	8	-	4	-	-	4

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Transportation and material moving occupations</b>	1,393	1,511	1,551	1,501	1,503	1,376	1,059
Supervisors, transportation and material moving workers	16	25	23	17	12	12	18
Aircraft cargo handling supervisors	-	-	-	-	-	-	-
Aircraft cargo handling supervisors	-	-	-	-	-	-	-
First-line supervisors/managers of helpers, laborers, and material movers, hand	10	10	10	4	7	5	10
First-line supervisors of helpers, laborers, and material movers, hand	10	10	10	4	7	5	10
First-line supervisors/managers of transportation and material-moving machine and vehicle operators	6	14	13	12	5	7	8
First-line supervisors of transportation and material-moving machine and vehicle operators	6	14	13	12	5	7	8
Air transportation workers	114	109	83	104	87	92	68
Aircraft pilots and flight engineers	114	109	83	104	87	91	65
Airline pilots, copilots, and flight engineers	18	22	17	27	13	8	9
Commercial pilots	96	87	66	77	74	83	56
Air traffic controllers and airfield operations specialists	-	-	-	-	-	-	3
Airfield operations specialists	-	-	-	-	-	-	3
Flight attendants	-	-	-	-	-	-	-
Flight attendants	-	-	-	-	-	-	-
Motor vehicle operators	956	1,021	1,100	1,045	1,091	952	723
Ambulance drivers and attendants, except emergency medical technicians	-	-	3	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ambulance drivers and attendants, except emergency medical technicians	-	-	3	-	-	-	-
Bus drivers	20	19	18	13	31	16	14
Bus drivers, transit and intercity	12	14	10	7	16	8	6
Bus drivers, school or special client	8	5	8	6	15	8	8
Driver/sales workers and truck drivers	862	918	997	957	976	856	647
Driver/sales workers	44	45	62	60	69	40	35
Heavy and tractor-trailer truck drivers	722	779	836	807	822	749	540
Light truck or delivery services drivers	96	94	99	90	85	67	72
Taxi drivers and chauffeurs	64	68	62	53	63	69	55
Taxi drivers and chauffeurs	64	68	62	53	63	69	55
Miscellaneous motor vehicle operators	10	15	20	21	21	11	7
Rail transportation workers	16	21	23	16	11	24	16
Locomotive engineers and operators	-	8	5	-	-	5	3
Locomotive engineers	-	6	5	-	-	4	3
Rail yard engineers, dinkey operators, and hostlers	-	-	-	-	-	-	-
Railroad brake, signal, and switch operators	5	4	5	6	-	5	-
Railroad brake, signal, and switch operators	5	4	5	6	-	5	-
Railroad conductors and yardmasters	8	8	9	4	5	9	6
Railroad conductors and yardmasters	8	8	9	4	5	9	6
Subway and streetcar operators	-	-	-	-	-	-	-
Subway and streetcar operators	-	-	-	-	-	-	-
Miscellaneous rail transportation workers	-	-	3	4	-	3	3
Water transportation workers	27	46	36	32	35	35	28
Sailors and marine oilers	13	39	18	15	23	22	20
Sailors and marine oilers	13	39	18	15	23	22	20

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ship and boat captains and operators	10	6	11	14	11	7	8
Captains, mates, and pilots of water vessels	10	6	10	13	11	7	8
Motorboat operators	-	-	-	-	-	-	-
Ship engineers	4	-	7	3	-	6	-
Ship engineers	4	-	7	3	-	6	-
Other transportation workers	13	16	15	19	9	13	15
Parking lot attendants	4	3	3	5	-	3	3
Parking lot attendants	4	3	3	5	-	3	3
Service station attendants	5	8	8	6	5	8	8
Automotive and watercraft service attendants	5	8	8	6	5	8	8
Traffic technicians	-	-	-	-	-	-	-
Traffic technicians	-	-	-	-	-	-	-
Transportation inspectors	3	3	-	-	-	-	-
Transportation inspectors	3	3	-	-	-	-	-
Transportation attendants, except flight attendants	-	-	-	-	-	-	-
Transportation attendants, except flight attendants	-	-	-	-	-	-	-
Miscellaneous transportation workers	-	-	-	4	-	-	-
Material moving workers	251	273	271	268	258	248	191
Conveyor operators and tenders	-	-	5	-	-	5	3
Conveyor operators and tenders	-	-	5	-	-	5	3
Crane and tower operators	14	15	15	8	13	21	12
Crane and tower operators	14	15	15	8	13	21	12
Dredge, excavating, and loading machine operators	15	14	15	20	15	-	5
Dredge operators	-	-	-	3	-	-	3
Excavating and loading machine and dragline operators	14	12	13	16	15	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Loading machine operators, underground mining	-	-	-	-	-	-	-
Hoist and winch operators	3	3	-	5	-	-	-
Hoist and winch operators	3	3	-	5	-	-	-
Industrial truck and tractor operators	42	45	33	37	45	50	21
Industrial truck and tractor operators	42	45	33	37	45	50	21
Laborers and material movers, hand	117	144	159	148	152	127	123
Cleaners of vehicles and equipment	9	11	11	13	14	10	10
Laborers and freight, stock, and material movers, hand	106	127	141	130	132	113	111
Machine feeders and offbearers	-	-	3	-	4	-	-
Packers and packagers, hand	-	4	4	4	-	-	-
Pumping station operators	6	4	5	3	3	-	-
Pump operators, except wellhead pumpers	-	-	-	-	-	-	-
Wellhead pumpers	6	4	3	-	-	-	-
Refuse and recyclable material collectors	43	35	32	37	18	30	20
Refuse and recyclable material collectors	43	35	32	37	18	30	20
Shuttle car operators	-	-	-	-	-	-	-
Mine shuttle car operators	-	-	-	-	-	-	-
Tank car, truck, and ship loaders	-	-	-	-	-	-	-
Tank car, truck, and ship loaders	-	-	-	-	-	-	-
Miscellaneous material moving workers	8	9	3	4	5	8	3
Military officer special and tactical operations leaders	-	-	-	-	-	-	-
Military officer special and tactical operations leaders	-	-	-	-	-	-	-
Air crew officers	-	-	-	-	-	-	-
Military enlisted tactical operations and air/weapons specialists and crew members	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Military enlisted tactical operations and air/weapons specialists and crew members	-	-	-	-	-	-	-
Special forces	-	-	-	-	-	-	-
<b>Military occupations<sup>8</sup></b>	62	71	48	57	64	57	75
<b>Industry (NAICS)<sup>9</sup></b>							
<b>Private industry (NAICS)<sup>10</sup></b>	5,043	5,229	5,214	5,320	5,112	4,670	4,090
<b>Goods producing</b>	2,401	2,518	2,459	2,542	2,372	2,234	1,827
<b>Natural resources and mining</b>	850	821	874	847	768	848	674
<b>Agriculture, forestry, fishing and hunting</b>	709	669	715	655	585	672	575
Crop production	334	320	351	308	257	314	297
Oilseed and grain farming	35	45	56	18	41	26	34
Soybean farming	3	3	3	-	4	-	5
Dry pea and bean farming	-	-	-	-	-	-	-
Wheat farming	5	5	-	6	-	3	6
Corn farming	15	8	7	7	14	13	11
Rice farming	3	-	-	-	-	-	4
Other grain farming	4	24	36	-	-	4	-
Oilseed and grain combination farming	-	19	29	-	-	-	-
Vegetable and melon farming	17	11	18	15	11	16	11
Vegetable and melon farming	17	11	18	15	11	16	11
Potato farming	6	-	-	-	-	3	-
Fruit and tree nut farming	13	28	16	25	17	24	21
Orange groves	-	-	-	4	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Citrus (except orange) groves	-	9	-	-	-	-	-
Noncitrus fruit and tree nut farming	11	13	12	17	13	21	18
Apple orchards	-	4	3	3	-	5	3
Grape vineyards	3	5	4	4	-	-	-
Berry (except strawberry) farming	3	-	-	-	-	-	-
Tree nut farming	-	-	-	4	-	-	5
Fruit and tree nut combination farming	-	-	-	-	-	-	-
Greenhouse, nursery, and floriculture production	18	10	6	11	13	11	12
Food crops grown under cover	3	-	-	4	-	-	-
Mushroom production	-	-	-	4	-	-	-
Nursery and floriculture production	13	10	6	7	11	9	9
Nursery and tree production	12	8	6	6	6	9	7
Floriculture production	-	-	-	-	-	-	-
Other crop farming	77	85	82	81	41	58	77
Tobacco farming	9	5	7	8	5	4	3
Cotton farming	4	7	7	8	-	3	5
Sugarcane farming	6	3	-	-	3	-	-
Hay farming	11	16	8	14	6	7	10
All other crop farming	44	51	57	49	25	41	56
Sugar beet farming	-	-	-	3	-	-	-
Peanut farming	-	-	-	-	-	-	-
Animal production and aquaculture	159	144	156	151	165	161	143
Cattle ranching and farming	116	95	122	125	130	122	109
Beef cattle ranching and farming, including feedlots	39	41	56	42	42	42	43
Beef cattle ranching and farming	37	36	51	31	35	37	36
Cattle feedlots	-	4	4	4	6	3	5
Dairy cattle and milk production	56	36	42	46	47	43	37
Hog and pig farming	9	10	6	3	6	5	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Hog and pig farming	9	10	6	3	6	5	3
Poultry and egg production	7	9	6	7	4	7	6
Chicken egg production	-	4	-	-	-	-	-
Broilers and other meat type chicken production	-	3	-	3	-	-	-
Turkey production	-	-	-	-	-	-	-
Poultry hatcheries	-	-	-	-	-	-	3
Sheep and goat farming	-	3	-	-	4	-	3
Sheep farming	-	-	-	-	3	-	-
Goat farming	-	-	-	-	-	-	-
Aquaculture	5	-	-	-	-	-	-
Aquaculture	5	-	-	-	-	-	-
Finfish farming and fish hatcheries	4	-	-	-	-	-	-
Shellfish farming	-	-	-	-	-	-	-
Other animal production	16	9	8	8	17	16	7
Apiculture	4	-	-	-	-	6	-
Horse and other equine production	9	5	4	8	9	9	5
Fur-bearing animal and rabbit production	-	-	-	-	-	-	-
Forestry and logging	120	106	98	101	93	102	53
Timber tract operations	-	3	-	-	3	3	3
Timber tract operations	-	3	-	-	3	3	3
Forest nurseries and gathering of forest products	-	5	-	-	-	-	-
Forest nurseries and gathering of forest products	-	5	-	-	-	-	-
Logging	118	97	91	97	89	96	50
Logging	118	97	91	97	89	96	50
Fishing, hunting and trapping	49	39	47	48	37	46	59
Fishing	47	39	47	48	36	46	57

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Fishing	47	39	47	48	36	46	57
Finfish fishing	8	10	5	9	11	15	18
Shellfish fishing	22	18	25	19	16	20	31
Hunting and trapping	-	-	-	-	-	-	-
Hunting and trapping	-	-	-	-	-	-	-
Support activities for agriculture and forestry	44	46	59	42	28	48	22
Support activities for crop production	24	33	48	32	21	34	11
Support activities for crop production	24	33	48	32	21	34	11
Cotton ginning	-	5	-	3	5	-	-
Soil preparation, planting, and cultivating	6	9	16	12	9	12	5
Crop harvesting, primarily by machine	4	3	3	3	-	3	-
Postharvest crop activities (except cotton ginning)	3	-	6	-	-	4	-
Farm labor contractors and crew leaders	6	11	18	11	5	9	4
Farm management services	-	3	-	-	-	4	-
Support activities for animal production	8	4	3	6	4	5	8
Support activities for animal production	8	4	3	6	4	5	8
Support activities for forestry	11	8	7	4	3	9	3
Support activities for forestry	11	8	7	4	3	9	3
<b>Mining, quarrying, and oil and gas extraction<sup>11</sup></b>	<b>141</b>	<b>152</b>	<b>159</b>	<b>192</b>	<b>183</b>	<b>176</b>	<b>99</b>
Oil and gas extraction	17	29	17	22	15	21	12
Oil and gas extraction	17	29	17	22	15	21	12
Oil and gas extraction	17	29	17	22	15	21	12

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Crude petroleum and natural gas extraction	16	17	10	20	10	10	9
Natural gas liquid extraction	-	-	3	-	-	-	-
Mining (except oil and gas)	55	51	57	67	54	51	29
Coal mining	27	26	22	47	28	26	12
Coal mining	27	26	22	47	28	26	8
Bituminous coal and lignite surface mining	6	3	-	5	4	7	-
Bituminous coal underground mining	19	14	7	33	20	9	5
Anthracite mining	-	-	-	-	-	-	-
Metal ore mining	3	5	5	5	8	11	3
Iron ore mining	-	-	-	-	-	-	-
Gold ore and silver ore mining	-	-	-	-	3	7	-
Gold ore mining	-	-	-	-	-	7	-
Copper, nickel, lead, and zinc mining	-	-	-	-	-	4	-
Copper ore and nickel ore mining	-	-	-	-	-	3	-
Other metal ore mining	-	-	-	-	-	-	-
Nonmetallic mineral mining and quarrying	24	19	30	15	18	14	14
Stone mining and quarrying	10	6	12	10	6	8	5
Dimension stone mining and quarrying	4	-	5	-	-	-	3
Crushed and broken limestone mining and quarrying	3	3	6	4	-	-	-
Crushed and broken granite mining and quarrying	-	-	-	-	-	-	-
Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	13	12	11	4	10	5	5
Construction sand and gravel mining	10	9	7	4	9	3	4
Clay and ceramic and refractory minerals mining	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other nonmetallic mineral mining and quarrying	-	-	6	-	-	-	4
Phosphate rock mining	-	-	-	-	-	-	-
Other chemical and fertilizer mineral mining	-	-	-	-	-	-	-
Support activities for mining	69	71	85	103	113	104	58
Support activities for mining	69	71	85	103	113	104	58
Support activities for mining	69	71	85	103	113	104	58
Drilling oil and gas wells	26	30	34	36	42	30	29
Support activities for oil and gas operations	42	39	47	67	65	69	27
Support activities for coal mining	-	-	-	-	-	5	-
Support activities for metal mining	-	-	-	-	-	-	-
Support activities for nonmetallic minerals (except fuels)	-	-	-	-	-	-	-
<b>Construction</b>	1,131	1,234	1,192	1,239	1,204	975	834
Construction of buildings	227	225	227	219	249	206	154
Residential building construction	129	118	128	132	129	97	89
Residential building construction	129	118	128	132	129	97	89
New single-family housing construction (except for-sale builders)	57	41	50	48	53	40	36
New multifamily housing construction (except for-sale builders)	9	9	11	16	11	10	7
New housing for-sale builders	-	5	-	3	-	-	-
Residential remodelers	29	31	35	37	36	34	37
Nonresidential building construction	80	81	71	69	103	99	60
Industrial building construction	19	24	19	12	20	25	12
Commercial and institutional building construction	55	49	47	49	77	70	42

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heavy and civil engineering construction	247	220	244	224	219	190	169
Utility system construction	131	95	106	103	99	86	76
Water and sewer line and related structures construction	66	53	49	52	49	35	25
Oil and gas pipeline and related structures construction	15	9	22	22	12	22	25
Power and communication line and related structures construction	49	30	33	29	36	29	26
Land subdivision	-	-	3	-	-	6	3
Land subdivision	-	-	3	-	-	6	3
Highway, street, and bridge construction	95	100	116	106	95	86	72
Highway, street, and bridge construction	95	100	116	106	95	86	72
Other heavy and civil engineering construction	19	23	16	12	20	9	16
Specialty trade contractors	629	759	677	724	690	567	487
Foundation, structure, and building exterior contractors	228	301	247	271	252	220	170
Poured concrete foundation and structure contractors	23	36	29	39	26	24	15
Residential poured concrete foundation and structure contractors	5	7	3	11	9	-	5
Nonresidential poured concrete foundation and structure contractors	5	8	13	6	4	6	-
Structural steel and precast concrete contractors	37	37	35	33	40	38	20
Residential structural steel and precast concrete contractors	-	-	-	-	3	4	-
Nonresidential structural steel and precast concrete contractors	19	17	20	16	23	21	10
Framing contractors	24	34	39	25	24	7	12



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Residential framing contractors	11	15	15	12	11	5	3
Nonresidential framing contractors	-	-	8	-	4	-	5
Masonry contractors	36	48	42	32	38	45	23
Residential masonry contractors	9	10	12	6	9	8	6
Nonresidential masonry contractors	8	12	9	7	14	13	6
Glass and glazing contractors	3	8	4	5	6	7	5
Nonresidential glass and glazing contractors	-	4	3	-	-	3	-
Roofing contractors	76	116	74	100	95	73	77
Residential roofing contractors	24	22	24	27	22	22	21
Nonresidential roofing contractors	14	32	11	19	19	15	16
Siding contractors	13	11	12	14	11	10	12
Residential siding contractors	-	7	-	8	8	3	4
Nonresidential siding contractors	-	-	-	-	-	4	-
Other foundation, structure, and building exterior contractors	15	9	12	20	12	16	6
Other residential foundation, structure, and building exterior contractors	3	-	-	3	-	-	-
Other nonresidential foundation, structure, and building exterior contractors	6	-	3	-	3	-	-
Building equipment contractors	160	189	168	154	173	131	138
Electrical contractors and other wiring installation contractors	79	100	77	87	91	61	77
Residential electrical contractors and other wiring installation contractors	9	8	13	10	7	5	7
Nonresidential electrical contractors and other wiring installation contractors	32	31	24	33	35	27	33
Plumbing, heating, and air-conditioning contractors	69	71	78	56	65	59	53

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Residential plumbing, heating, and air-conditioning contractors	18	19	20	10	16	9	16
Nonresidential plumbing, heating, and air-conditioning contractors	22	16	16	12	18	28	15
Other building equipment contractors	11	18	13	11	15	11	7
Other residential building equipment contractors	-	-	-	-	-	-	-
Other nonresidential building equipment contractors	6	14	7	5	7	6	3
Building finishing contractors	104	123	96	128	125	96	73
Drywall and insulation contractors	22	28	23	31	30	25	13
Residential drywall and insulation contractors	10	-	-	6	10	6	-
Nonresidential drywall and insulation contractors	-	10	8	8	8	6	5
Painting and wall covering contractors	55	56	29	47	50	46	32
Residential painting and wall covering contractors	17	12	13	10	6	14	9
Nonresidential painting and wall covering contractors	10	14	5	10	12	9	5
Flooring contractors	5	9	8	6	8	-	5
Residential flooring contractors	4	-	-	-	-	-	4
Tile and terrazzo contractors	6	4	5	8	-	-	-
Residential tile and terrazzo contractors	-	-	-	-	-	-	-
Finish carpentry contractors	10	19	22	24	28	14	19
Residential finish carpentry contractors	-	10	8	7	7	-	6
Nonresidential finish carpentry contractors	-	-	-	4	4	3	-
Other building finishing contractors	4	5	5	11	6	6	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other residential building finishing contractors	-	-	-	5	-	-	-
Other nonresidential building finishing contractors	-	-	-	3	3	-	-
Other specialty trade contractors	128	140	157	156	133	112	100
Site preparation contractors	84	98	116	116	98	76	73
Residential site preparation contractors	14	13	15	18	19	8	6
Nonresidential site preparation contractors	32	27	34	38	32	17	37
All other specialty trade contractors	44	41	39	40	35	35	27
All other residential specialty trade contractors	13	5	6	6	5	5	5
All other nonresidential specialty trade contractors	9	12	10	11	13	17	8
<b>Manufacturing</b>	420	463	393	456	400	411	319
Food manufacturing	59	66	46	61	51	70	48
Animal food manufacturing	4	8	3	7	3	15	3
Animal food manufacturing	4	8	3	7	3	15	3
Dog and cat food manufacturing	-	-	-	-	-	-	-
Grain and oilseed milling	5	4	3	8	-	4	3
Flour milling and malt manufacturing	-	-	-	3	-	-	-
Flour milling	-	-	-	-	-	-	-
Starch and vegetable fats and oils manufacturing	-	-	-	3	-	4	-
Wet corn milling	-	-	-	-	-	-	-
Soybean processing	-	-	-	-	-	-	-
Soybean and other oilseed processing	-	-	-	-	-	-	-
Breakfast cereal manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Sugar and confectionery product manufacturing	-	-	-	-	-	18	6
Sugar manufacturing	-	-	-	-	-	16	3
Beet sugar manufacturing	-	-	-	-	-	-	-
Nonchocolate confectionery manufacturing	-	-	-	-	-	-	-
Fruit and vegetable preserving and specialty food manufacturing	5	5	5	5	5	3	8
Frozen food manufacturing	-	-	-	-	-	-	-
Frozen fruit, juice, and vegetable manufacturing	-	-	-	-	-	-	-
Frozen specialty food manufacturing	-	-	-	-	-	-	-
Fruit and vegetable canning, pickling, and drying	4	3	3	5	4	-	6
Fruit and vegetable canning	4	-	3	5	4	-	6
Dried and dehydrated food manufacturing	-	-	-	-	-	-	-
Dairy product manufacturing	6	7	3	4	6	7	-
Dairy product (except frozen) manufacturing	5	4	-	4	6	4	-
Fluid milk manufacturing	5	-	-	-	3	3	-
Cheese manufacturing	-	-	-	-	-	-	-
Animal slaughtering and processing	19	26	13	16	14	10	15
Animal slaughtering and processing	19	26	13	16	14	10	15
Animal (except poultry) slaughtering	-	4	-	-	3	3	3
Meat processed from carcasses	5	9	-	-	-	-	-
Rendering and meat byproduct processing	-	3	-	-	3	-	3
Poultry processing	10	10	9	8	6	5	5

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Seafood product preparation and packaging	-	-	4	4	-	7	-
Seafood product preparation and packaging	-	-	4	4	-	7	-
Fresh and frozen seafood processing	-	-	3	4	-	7	-
Bakeries and tortilla manufacturing	8	11	10	9	13	-	7
Bread and bakery product manufacturing	6	11	9	9	11	-	6
Retail bakeries	-	3	3	-	-	-	3
Commercial bakeries	4	7	5	7	8	-	3
Cookie, cracker, and pasta manufacturing	-	-	-	-	-	-	-
Cookie and cracker manufacturing	-	-	-	-	-	-	-
Dry pasta, dough, and flour mixes manufacturing from purchased flour	-	-	-	-	-	-	-
Other food manufacturing	8	-	3	5	4	4	3
Snack food manufacturing	-	-	-	-	-	3	-
Roasted nuts and peanut butter manufacturing	-	-	-	-	-	-	-
Seasoning and dressing manufacturing	3	-	-	-	-	-	-
Spice and extract manufacturing	3	-	-	-	-	-	-
All other food manufacturing	3	-	3	3	3	-	-
Perishable prepared food manufacturing	-	-	3	-	-	-	-
Beverage and tobacco product manufacturing	6	8	5	15	4	13	13
Beverage manufacturing	6	8	5	15	4	12	13
Soft drink and ice manufacturing	6	5	4	12	3	11	7
Soft drink manufacturing	6	3	3	9	-	9	7
Bottled water manufacturing	-	-	-	-	-	-	-
Ice manufacturing	-	-	-	-	-	-	-
Breweries	-	-	-	-	-	-	3
Wineries	-	-	-	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Distilleries	-	-	-	-	-	-	-
Textile mills	7	7	7	4	4	-	-
Fiber, yarn, and thread mills	-	-	-	-	-	-	-
Fiber, yarn, and thread mills	-	-	-	-	-	-	-
Fabric mills	4	4	-	3	-	-	-
Broadwoven fabric mills	4	-	-	3	-	-	-
Nonwoven fabric mills	-	-	-	-	-	-	-
Knit fabric mills	-	-	-	-	-	-	-
Textile and fabric finishing and fabric coating mills	-	-	5	-	-	-	-
Textile and fabric finishing mills	-	-	-	-	-	-	-
Textile and fabric finishing (except broadwoven fabric) mills	-	-	-	-	-	-	-
Textile product mills	-	-	3	4	-	4	-
Textile furnishings mills	-	-	-	-	-	3	-
Carpet and rug mills	-	-	-	-	-	-	-
Curtain and linen mills	-	-	-	-	-	-	-
Other textile product mills	-	-	-	3	-	-	-
Textile bag and canvas mills	-	-	-	-	-	-	-
Apparel manufacturing	-	-	-	-	-	4	-
Apparel knitting mills	-	-	-	-	-	-	-
Other apparel knitting mills	-	-	-	-	-	-	-
Cut and sew apparel manufacturing	-	-	-	-	-	-	-
Women's, girls', and infants' cut and sew apparel manufacturing	-	-	-	-	-	-	-
Leather and allied product manufacturing	-	3	-	-	-	-	-
Leather and hide tanning and finishing	-	3	-	-	-	-	-
Leather and hide tanning and finishing	-	3	-	-	-	-	-
Wood product manufacturing	37	49	37	36	39	27	21
Sawmills and wood preservation	18	29	18	21	19	12	17
Sawmills and wood preservation	18	29	18	21	19	12	17

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Sawmills	16	26	17	21	17	12	17
Wood preservation	-	3	-	-	-	-	-
Veneer, plywood, and engineered wood product manufacturing	7	8	4	5	8	7	-
Veneer, plywood, and engineered wood product manufacturing	7	8	4	5	8	7	-
Hardwood veneer and plywood manufacturing	-	-	-	-	-	4	-
Softwood veneer and plywood manufacturing	-	-	-	-	-	-	-
Truss manufacturing	5	3	3	-	-	-	-
Other wood product manufacturing	12	11	15	10	12	7	3
Millwork	5	4	4	3	4	-	-
Wood window and door manufacturing	-	-	-	-	-	-	-
Cut stock, resawing lumber, and planing	-	-	-	-	-	-	-
Wood container and pallet manufacturing	4	3	4	4	6	-	-
All other wood product manufacturing	3	4	7	3	-	3	-
Manufactured home (mobile home) manufacturing	-	-	-	-	-	-	-
Paper manufacturing	17	19	11	17	16	15	10
Pulp, paper, and paperboard mills	9	9	5	10	7	12	6
Pulp mills	-	-	-	-	-	-	-
Paper mills	8	8	3	7	6	8	5
Paper (except newsprint) mills	3	5	-	4	5	6	4
Newsprint mills	3	-	-	-	-	-	-
Paperboard mills	-	-	-	-	-	3	-
Converted paper product manufacturing	8	10	6	6	9	3	4
Paperboard container manufacturing	5	6	4	3	5	-	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Corrugated and solid fiber box manufacturing	3	-	-	-	4	-	-
Nonfolding sanitary food container manufacturing	-	-	-	-	-	-	-
Paper bag and coated and treated paper manufacturing	-	-	-	3	-	-	-
Coated and laminated paper manufacturing	-	-	-	3	-	-	-
Stationery product manufacturing	-	-	-	-	-	3	-
Envelope manufacturing	-	-	-	-	-	3	-
Other converted paper product manufacturing	-	-	-	-	3	-	-
Printing and related support activities	7	5	12	5	14	5	12
Printing and related support activities	7	5	12	5	14	5	12
Printing	6	5	10	5	13	5	10
Commercial lithographic printing	-	-	-	-	6	-	7
Commercial printing (except screen and books)	-	-	-	-	-	-	-
Commercial screen printing	-	-	-	-	-	3	-
Quick printing	-	-	-	-	3	-	-
Petroleum and coal products manufacturing	-	10	3	9	7	11	8
Petroleum and coal products manufacturing	-	10	3	9	7	11	8
Petroleum refineries	-	-	-	4	5	6	5
Asphalt paving, roofing, and saturated materials manufacturing	-	7	-	4	-	3	-
Asphalt paving mixture and block manufacturing	-	6	-	-	-	3	-
Asphalt shingle and coating materials manufacturing	-	-	-	-	-	-	-
Other petroleum and coal products manufacturing	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Petroleum lubricating oil and grease manufacturing	-	-	-	-	-	-	-
Chemical manufacturing	28	31	23	33	24	18	18
Basic chemical manufacturing	5	9	9	11	5	4	3
Petrochemical manufacturing	3	-	-	-	-	-	-
Industrial gas manufacturing	-	-	-	-	-	-	-
Synthetic dye and pigment manufacturing	-	-	-	-	-	-	-
Synthetic organic dye and pigment manufacturing	-	-	-	-	-	-	-
Other basic inorganic chemical manufacturing	-	3	3	4	-	-	-
Other basic organic chemical manufacturing	-	-	-	3	-	-	-
Ethyl alcohol manufacturing	-	-	-	-	-	-	-
Cyclic crude, intermediate, and gum and wood chemical manufacturing	-	-	-	-	-	-	-
Resin, synthetic rubber, and artificial and synthetic fibers and filaments manufacturing	4	11	-	7	-	3	-
Resin and synthetic rubber manufacturing	4	10	-	6	-	-	-
Plastics material and resin manufacturing	4	10	-	6	-	-	-
Artificial and synthetic fibers and filaments manufacturing	-	-	-	-	-	-	-
Pesticide, fertilizer, and other agricultural chemical manufacturing	-	-	-	-	5	-	4
Fertilizer manufacturing	-	-	-	-	5	-	4
Nitrogenous fertilizer manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Phosphatic fertilizer manufacturing	-	-	-	-	-	-	-
Fertilizer (mixing only) manufacturing	-	-	-	-	3	-	3
Pesticide and other agricultural chemical manufacturing	-	-	-	-	-	-	-
Pharmaceutical and medicine manufacturing	-	3	3	-	3	5	-
Pharmaceutical and medicine manufacturing	-	3	3	-	3	5	-
Pharmaceutical preparation manufacturing	-	3	3	-	-	3	-
Paint, coating, and adhesive manufacturing	-	-	-	-	-	-	-
Paint and coating manufacturing	-	-	-	-	-	-	-
Adhesive manufacturing	-	-	-	-	-	-	-
Soap, cleaning compound, and toilet preparation manufacturing	4	-	5	3	-	-	3
Soap and cleaning compound manufacturing	3	-	-	-	-	-	-
Soap and other detergent manufacturing	-	-	-	-	-	-	-
Polish and other sanitation good manufacturing	-	-	-	-	-	-	-
Surface active agent manufacturing	-	-	-	-	-	-	-
Toilet preparation manufacturing	-	-	3	-	-	-	-
Other chemical product and preparation manufacturing	12	4	3	5	4	4	-
All other chemical product and preparation manufacturing	10	-	3	5	-	3	-
Photographic film, paper, plate, and chemical manufacturing	-	-	-	-	-	-	-
Plastics and rubber products manufacturing	26	25	24	13	20	21	19

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Plastics product manufacturing	18	21	19	12	13	15	15
Plastics packaging materials and un laminated film and sheet manufacturing	3	4	-	-	-	-	-
Unlaminated plastics film and sheet (except packaging) manufacturing	-	3	-	-	-	-	-
Plastics pipe, pipe fitting, and un laminated profile shape manufacturing	-	-	-	-	5	-	-
Unlaminated plastics profile shape manufacturing	-	-	-	-	-	-	-
Plastics pipe and pipe fitting manufacturing	-	-	-	-	4	-	-
Polystyrene foam product manufacturing	-	-	-	-	-	-	-
Plastics bottle manufacturing	-	-	-	-	-	-	-
Other plastics product manufacturing	8	7	9	-	4	9	6
Plastics plumbing fixture manufacturing	-	-	-	-	-	-	-
Rubber product manufacturing	8	4	5	-	6	6	4
Tire manufacturing	-	4	3	-	4	5	-
Tire manufacturing (except retreading)	-	3	-	-	-	4	-
Tire retreading	-	-	-	-	-	-	-
Rubber and plastics hoses and belting manufacturing	-	-	-	-	-	-	-
Other rubber product manufacturing	5	-	-	-	-	-	-
Rubber product manufacturing for mechanical use	5	-	-	-	-	-	-
Nonmetallic mineral product manufacturing	46	56	59	59	39	40	27
Clay product and refractory manufacturing	3	4	5	5	-	3	3
Pottery, ceramics, and plumbing fixture manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Clay building material and refractories manufacturing	-	4	5	5	-	-	3
Brick and structural clay tile manufacturing	-	-	3	-	-	-	-
Glass and glass product manufacturing	3	8	4	5	4	5	-
Glass and glass product manufacturing	3	8	4	5	4	5	-
Flat glass manufacturing	-	-	-	-	-	-	-
Other pressed and blown glass and glassware manufacturing	-	-	3	-	-	-	-
Glass product manufacturing made of purchased glass	-	3	-	-	-	4	-
Cement and concrete product manufacturing	29	39	35	41	32	28	15
Cement manufacturing	-	-	4	-	-	-	-
Ready-mix concrete manufacturing	20	21	17	29	16	19	8
Concrete pipe, brick, and block manufacturing	4	6	5	8	5	-	4
Concrete block and brick manufacturing	-	4	4	7	4	-	4
Concrete pipe manufacturing	-	-	-	-	-	-	-
Other concrete product manufacturing	4	9	9	3	11	4	-
Lime and gypsum product manufacturing	-	-	3	-	-	-	-
Other nonmetallic mineral product manufacturing	11	4	12	8	-	-	7
All other nonmetallic mineral product manufacturing	11	3	11	8	-	-	7
Cut stone and stone product manufacturing	-	-	10	6	-	-	4
Ground or treated mineral and earth manufacturing	-	-	-	-	-	-	-
Mineral wool manufacturing	8	-	-	-	-	-	3
Primary metal manufacturing	33	29	23	36	20	41	16

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Iron and steel mills and ferroalloy manufacturing	9	10	8	14	6	19	7
Iron and steel mills and ferroalloy manufacturing	9	10	8	14	6	19	7
Iron and steel mills	8	9	8	14	6	17	7
Steel product manufacturing from purchased steel	6	3	-	7	5	6	-
Iron and steel pipe and tube manufacturing from purchased steel	-	-	-	-	-	3	-
Rolling and drawing of purchased steel	-	-	-	3	3	3	-
Rolled steel shape manufacturing	-	-	-	-	-	-	-
Alumina and aluminum production and processing	4	5	-	-	-	-	-
Alumina and aluminum production and processing	4	5	-	-	-	-	-
Primary aluminum production	-	-	-	-	-	-	-
Secondary smelting and alloying of aluminum	-	-	-	-	-	-	-
Aluminum sheet, plate, and foil manufacturing	-	-	-	-	-	-	-
Aluminum extruded product manufacturing	-	-	-	-	-	-	-
Nonferrous metal (except aluminum) production and processing	-	6	-	-	3	5	-
Nonferrous metal (except aluminum) smelting and refining	-	4	-	-	-	-	-
Copper rolling, drawing, extruding, and alloying	-	-	-	-	-	-	-
Nonferrous metal (except copper and aluminum) rolling, drawing, extruding, and alloying	-	-	-	-	-	3	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Nonferrous metal (except copper and aluminum) rolling, drawing, and extruding	-	-	-	-	-	-	-
Secondary smelting, refining, and alloying of nonferrous metal (except copper and aluminum)	-	-	-	-	-	-	-
Foundries	12	5	11	9	4	8	7
Ferrous metal foundries	10	5	9	8	-	5	3
Iron foundries	3	4	5	5	-	4	-
Steel foundries (except investment)	7	-	3	3	-	-	-
Nonferrous metal foundries	-	-	-	-	-	3	4
Aluminum die-casting foundries	-	-	-	-	-	-	-
Nonferrous (except aluminum) die-casting foundries	-	-	-	-	-	-	-
Nonferrous metal die-casting foundries	-	-	-	-	-	-	-
Aluminum foundries (except die-casting)	-	-	-	-	-	-	-
Fabricated metal product manufacturing	43	57	43	47	71	51	38
Forging and stamping	5	3	-	-	3	-	-
Forging and stamping	5	3	-	-	3	-	-
Iron and steel forging	-	-	-	-	-	-	-
Nonferrous forging	-	-	-	-	-	-	-
Metal stamping	3	-	-	-	-	-	-
Cutlery and handtool manufacturing	-	-	-	-	4	-	-
Cutlery and handtool manufacturing	-	-	-	-	4	-	-
Architectural and structural metals manufacturing	17	25	20	18	25	19	13
Plate work and fabricated structural product manufacturing	11	17	15	11	16	14	11

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Prefabricated metal building and component manufacturing	-	4	-	-	3	-	-
Fabricated structural metal manufacturing	6	10	12	7	10	9	7
Plate work manufacturing	4	-	-	-	3	3	-
Ornamental and architectural metal products manufacturing	5	8	5	7	7	5	-
Metal window and door manufacturing	-	-	-	-	3	-	-
Sheet metal work manufacturing	-	3	3	3	3	-	-
Ornamental and architectural metal work manufacturing	-	3	-	-	-	4	-
Boiler, tank, and shipping container manufacturing	-	-	9	3	7	5	3
Power boiler and heat exchanger manufacturing	-	-	-	-	-	-	-
Metal tank (heavy gauge) manufacturing	-	-	5	-	4	-	-
Metal can, box, and other metal container (light gauge) manufacturing	-	-	3	-	-	4	-
Metal can manufacturing	-	-	-	-	-	-	-
Spring and wire product manufacturing	-	6	-	-	3	-	-
Spring and wire product manufacturing	-	6	-	-	3	-	-
Spring manufacturing	-	-	-	-	-	-	-
Machine shops; turned product; and screw, nut, and bolt manufacturing	6	6	3	7	9	7	10
Machine shops	6	6	-	7	5	7	9
Turned product and screw, nut, and bolt manufacturing	-	-	-	-	4	-	-
Precision turned product manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Bolt, nut, screw, rivet, and washer manufacturing	-	-	-	-	4	-	-
Coating, engraving, heat treating, and allied activities	4	5	3	-	9	6	4
Coating, engraving, heat treating, and allied activities	4	5	3	-	9	6	4
Metal heat treating	-	-	-	-	-	-	-
Metal coating, engraving (except jewelry and silverware), and allied services to manufacturers	-	-	-	-	-	5	3
Electroplating, plating, polishing, anodizing, and coloring	-	3	-	-	7	-	-
Other fabricated metal product manufacturing	-	9	5	10	8	10	6
Metal valve manufacturing	-	3	-	-	3	-	-
Industrial valve manufacturing	-	-	-	-	-	-	-
All other fabricated metal product manufacturing	-	6	4	7	5	9	4
Ball and roller bearing manufacturing	-	-	-	-	-	-	-
Small arms ammunition manufacturing	-	-	-	-	-	-	-
Fabricated pipe and pipe fitting manufacturing	-	-	-	-	-	-	-
Machinery manufacturing	26	26	20	33	25	27	22
Agriculture, construction, and mining machinery manufacturing	6	7	8	3	-	8	4
Agricultural implement manufacturing	-	3	-	-	-	-	-
Farm machinery and equipment manufacturing	-	-	-	-	-	-	-
Construction machinery manufacturing	-	-	3	-	-	3	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Mining and oil and gas field machinery manufacturing	-	4	4	3	-	4	3
Oil and gas field machinery and equipment manufacturing	-	3	3	-	-	3	3
Industrial machinery manufacturing	3	-	-	5	-	-	-
Industrial machinery manufacturing	-	-	-	-	-	-	-
Food product machinery manufacturing	-	-	-	-	-	-	-
Printing machinery and equipment manufacturing	-	-	-	-	-	-	-
Other industrial machinery manufacturing	3	-	-	4	-	-	-
Commercial and service industry machinery manufacturing	-	3	-	-	-	-	-
Commercial and service industry machinery manufacturing	-	3	-	-	-	-	-
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	-	3	5	-	5	3
Ventilation, heating, air-conditioning, and commercial refrigeration equipment manufacturing	3	-	3	5	-	5	3
Air-conditioning and warm air heating equipment and commercial and industrial refrigeration equipment manufacturing	3	-	-	4	-	-	-
Metalworking machinery manufacturing	-	4	3	7	8	5	3
Metalworking machinery manufacturing	-	4	3	7	8	5	3
Industrial mold manufacturing	-	-	-	3	-	-	-
Machine tool (metal cutting types) manufacturing	-	-	-	-	3	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Special die and tool, die set, jig, and fixture manufacturing	-	-	-	-	-	3	-
Cutting tool and machine tool accessory manufacturing	-	-	-	-	-	-	-
Rolling mill machinery and equipment manufacturing	-	-	-	-	-	-	-
Machine tool manufacturing	-	-	-	-	-	-	-
Engine, turbine, and power transmission equipment manufacturing	-	3	-	5	-	-	3
Engine, turbine, and power transmission equipment manufacturing	-	3	-	5	-	-	3
Other general purpose machinery manufacturing	11	5	3	6	9	8	6
Material handling equipment manufacturing	8	-	-	3	5	-	3
Conveyor and conveying equipment manufacturing	4	-	-	-	-	-	-
Industrial truck, tractor, trailer, and stacker machinery manufacturing	-	-	-	-	-	-	-
All other general purpose machinery manufacturing	-	-	-	3	-	-	-
Industrial process furnace and oven manufacturing	-	-	-	-	-	-	-
Fluid power cylinder and actuator manufacturing	-	-	-	-	-	-	-
Computer and electronic product manufacturing	11	9	13	7	7	14	8
Computer and peripheral equipment manufacturing	-	3	4	-	-	-	-
Computer and peripheral equipment manufacturing	-	3	4	-	-	-	-
Electronic computer manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Communications equipment manufacturing	-	-	-	-	-	-	-
Radio and television broadcasting and wireless communications equipment manufacturing	-	-	-	-	-	-	-
Semiconductor and other electronic component manufacturing	3	-	-	4	3	8	-
Semiconductor and other electronic component manufacturing	3	-	-	4	3	8	-
Semiconductor and related device manufacturing	-	-	-	-	-	5	-
Navigational, measuring, electromedical, and control instruments manufacturing	5	4	6	-	3	5	4
Navigational, measuring, electromedical, and control instruments manufacturing	5	4	6	-	3	4	4
Guidance, aeronautical, and nautical system and instrument manufacturing	-	-	-	-	-	3	-
Instrument manufacturing for measuring and testing electricity and electrical signals	-	-	-	-	-	-	-
Analytical laboratory instrument manufacturing	-	-	-	-	-	-	-
Electrical equipment, appliance, and component manufacturing	5	6	5	-	6	3	9
Electric lighting equipment manufacturing	-	-	-	-	-	-	-
Lighting fixture manufacturing	-	-	-	-	-	-	-
Residential electric lighting fixture manufacturing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Commercial, industrial, and institutional electric lighting fixture manufacturing	-	-	-	-	-	-	-
Household appliance manufacturing	-	-	-	-	-	-	-
Small electrical appliance manufacturing	-	-	-	-	-	-	-
Electric housewares and household fan manufacturing	-	-	-	-	-	-	-
Major appliance manufacturing	-	-	-	-	-	-	-
Household cooking appliance manufacturing	-	-	-	-	-	-	-
Electrical equipment manufacturing	-	4	-	-	4	-	4
Electrical equipment manufacturing power, distribution, and specialty transformer manufacturing	-	4	-	-	4	-	4
Switchgear and switchboard apparatus manufacturing	-	-	-	-	-	-	-
Other electrical equipment and component manufacturing	-	-	-	-	-	-	5
Battery manufacturing	-	-	-	-	-	-	-
Storage battery manufacturing	-	-	-	-	-	-	-
Primary battery manufacturing	-	-	-	-	-	-	-
Communication and energy wire and cable manufacturing	-	-	-	-	-	-	-
All other electrical equipment and component manufacturing	-	-	-	-	-	-	-
Carbon and graphite product manufacturing	-	-	-	-	-	-	-
Transportation equipment manufacturing	44	32	39	50	33	29	31
Motor vehicle manufacturing	4	3	6	4	6	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Automobile and light duty motor vehicle manufacturing	4	-	6	4	5	-	-
Automobile manufacturing	3	-	-	3	5	-	-
Light truck and utility vehicle manufacturing	-	-	4	-	-	-	-
Heavy duty truck manufacturing	-	-	-	-	-	-	-
Motor vehicle body and trailer manufacturing	5	4	7	11	3	-	4
Motor vehicle body and trailer manufacturing	5	4	7	11	3	-	4
Motor vehicle body manufacturing	4	-	3	5	-	-	-
Truck trailer manufacturing	-	-	3	4	-	-	-
Travel trailer and camper manufacturing	-	-	-	-	-	-	-
Motor vehicle parts manufacturing	14	12	7	12	11	5	7
Motor vehicle gasoline engine and engine parts manufacturing	-	-	-	-	-	-	-
Motor vehicle electrical and electronic equipment manufacturing	-	-	-	-	-	-	-
Other motor vehicle electrical and electronic equipment manufacturing	-	-	-	-	-	-	-
Motor vehicle steering and suspension components (except spring) manufacturing	-	-	-	-	-	-	-
Motor vehicle brake system manufacturing	-	-	-	-	-	-	-
Motor vehicle transmission and power train parts manufacturing	-	-	-	-	-	-	-
Motor vehicle seating and interior trim manufacturing	-	-	-	-	-	-	-
Motor vehicle metal stamping	-	4	-	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other motor vehicle parts manufacturing	8	3	-	3	-	-	-
Aerospace product and parts manufacturing	13	4	6	9	7	4	10
Aerospace product and parts manufacturing	13	4	6	9	7	4	10
Aircraft manufacturing	4	4	3	5	3	-	9
Aircraft engine and engine parts manufacturing	-	-	-	-	-	-	-
Other aircraft parts and auxiliary equipment manufacturing	8	-	-	-	-	-	-
Railroad rolling stock manufacturing	-	-	-	-	-	-	-
Railroad rolling stock manufacturing	-	-	-	-	-	-	-
Ship and boat building	6	8	9	14	5	14	9
Ship and boat building	6	8	9	14	5	14	9
Ship building and repairing	5	5	7	10	3	11	7
Boat building	-	3	-	4	-	3	-
Other transportation equipment manufacturing	-	-	3	-	-	-	-
Other transportation equipment manufacturing	-	-	3	-	-	-	-
Furniture and related product manufacturing	9	10	7	7	6	6	5
Household and institutional furniture and kitchen cabinet manufacturing	8	8	6	7	4	3	5
Wood kitchen cabinet and countertop manufacturing	-	-	3	3	-	-	4
Household and institutional furniture manufacturing	6	6	3	4	-	-	-
Upholstered household furniture manufacturing	-	3	-	-	-	-	-
Nonupholstered wood household furniture manufacturing	-	3	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Office furniture (including fixtures) manufacturing	-	-	-	-	-	3	-
Office furniture (including fixtures) manufacturing	-	-	-	-	-	3	-
Wood office furniture manufacturing	-	-	-	-	-	-	-
Custom architectural woodwork and millwork manufacturing	-	-	-	-	-	-	-
Office furniture (except wood) manufacturing	-	-	-	-	-	-	-
Other furniture related product manufacturing	-	-	-	-	-	-	-
Mattress manufacturing	-	-	-	-	-	-	-
Miscellaneous manufacturing	7	11	11	15	9	9	9
Medical equipment and supplies manufacturing	-	3	3	-	-	-	-
Medical equipment and supplies manufacturing	-	3	3	-	-	-	-
Surgical and medical instrument manufacturing	-	-	-	-	-	-	-
Surgical appliance and supplies manufacturing	-	-	-	-	-	-	-
Other miscellaneous manufacturing	5	8	8	13	9	7	7
Jewelry and silverware manufacturing	-	-	-	-	-	-	-
Jewelry (except costume) manufacturing	-	-	-	-	-	-	-
Sporting and athletic goods manufacturing	-	-	-	-	-	-	-
Sign manufacturing	-	5	3	9	7	3	6
All other miscellaneous manufacturing	-	-	-	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Gasket, packing, and sealing device manufacturing	-	-	-	-	-	-	-
Burial casket manufacturing	-	-	-	-	-	-	-
<b>Service providing</b>	2,642	2,711	2,755	2,778	2,740	2,436	2,263
<b>Trade, transportation, and utilities</b>	1,375	1,473	1,524	1,494	1,479	1,314	1,146
<b>Wholesale trade</b>	191	205	209	222	207	180	190
Merchant wholesalers, durable goods	102	101	108	111	104	91	97
Motor vehicle and motor vehicle parts and supplies merchant wholesalers	16	14	16	19	11	9	12
Automobile and other motor vehicle merchant wholesalers	-	6	4	5	-	-	3
Motor vehicle supplies and new parts merchant wholesalers	3	-	-	-	3	3	4
Tire and tube merchant wholesalers	-	-	-	-	-	-	-
Motor vehicle parts (used) merchant wholesalers	8	6	10	10	6	4	5
Furniture and home furnishing merchant wholesalers	5	-	4	9	-	-	-
Furniture merchant wholesalers	-	-	3	7	-	-	-
Home furnishing merchant wholesalers	4	-	-	-	-	-	-
Lumber and other construction materials merchant wholesalers	10	13	9	10	14	7	11
Lumber, plywood, millwork, and wood panel merchant wholesalers	-	3	3	-	3	-	-
Brick, stone, and related construction material merchant wholesalers	7	9	3	5	10	3	7
Roofing, siding, and insulation material merchant wholesalers	-	-	3	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Professional and commercial equipment and supplies merchant wholesalers	11	7	12	9	3	5	11
Office equipment merchant wholesalers	5	-	-	-	-	-	-
Computer and computer peripheral equipment and software merchant wholesalers	-	-	-	-	-	-	3
Other commercial equipment merchant wholesalers	-	-	-	-	-	-	3
Medical, dental, and hospital equipment and supplies merchant wholesalers	4	5	5	4	-	-	3
Ophthalmic goods merchant wholesalers	-	-	-	-	-	-	-
Metal and mineral (except petroleum) merchant wholesalers	3	5	6	9	8	4	4
Metal service centers and other metal merchant wholesalers	3	5	6	9	8	4	4
Electrical goods merchant wholesalers	6	-	3	-	-	6	6
Electrical apparatus and equipment, wiring supplies, and related equipment merchant wholesalers	4	-	3	-	-	6	4
Hardware, and plumbing and heating equipment and supplies merchant wholesalers	-	5	3	-	-	4	-
Plumbing and heating equipment and supplies (hydronics) merchant wholesalers	-	-	-	-	-	3	-
Warm air heating and air-conditioning equipment and supplies merchant wholesalers	-	-	-	-	-	-	-
Machinery, equipment, and supplies merchant wholesalers	26	20	26	32	30	27	27
Construction and mining (except oil well) machinery and equipment merchant wholesalers	5	-	5	7	4	4	5
Farm and garden machinery and equipment merchant wholesalers	6	7	4	5	9	3	7

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Industrial machinery and equipment merchant wholesalers	11	8	11	13	10	12	10
Industrial supplies merchant wholesalers	-	3	-	3	-	5	-
Service establishment equipment and supplies merchant wholesalers	3	-	3	3	3	-	3
Miscellaneous durable goods merchant wholesalers	24	34	29	19	32	28	22
Sporting and recreational goods and supplies merchant wholesalers	-	-	4	-	-	-	-
Recyclable material merchant wholesalers	21	29	20	16	25	24	17
Jewelry, watch, precious stone, and precious metal merchant wholesalers	-	-	-	-	-	-	-
Merchant wholesalers, nondurable goods	81	95	94	103	93	78	85
Paper and paper product merchant wholesalers	-	-	3	6	-	3	-
Printing and writing paper merchant wholesalers	-	-	-	-	-	-	-
Industrial and personal service paper merchant wholesalers	-	-	-	3	-	-	-
Drugs and druggists' sundries merchant wholesalers	3	7	5	-	-	-	-
Drugs and druggists' sundries merchant wholesalers	3	7	5	-	-	-	-
Apparel, piece goods, and notions merchant wholesalers	-	3	3	-	-	-	-
Men's and boys' clothing and furnishings merchant wholesalers	-	-	-	-	-	-	-
Women's, children's, and infants' clothing and accessories merchant wholesalers	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Grocery and related product merchant wholesalers	25	27	26	39	31	27	26
General line grocery merchant wholesalers	9	6	8	10	9	7	6
Packaged frozen food merchant wholesalers	4	-	-	-	-	-	4
Dairy product (except dried or canned) merchant wholesalers	-	3	-	-	-	-	-
Poultry and poultry product merchant wholesalers	-	-	-	-	-	-	-
Confectionery merchant wholesalers	-	3	-	3	-	3	-
Fish and seafood merchant wholesalers	-	-	-	5	-	-	-
Meat and meat product merchant wholesalers	-	-	-	-	-	-	-
Fresh fruit and vegetable merchant wholesalers	-	6	6	8	5	6	8
Farm product raw material merchant wholesalers	16	11	14	12	12	10	19
Grain and field bean merchant wholesalers	15	10	11	10	7	8	15
Livestock merchant wholesalers	-	-	-	-	4	-	3
Chemical and allied products merchant wholesalers	-	-	8	8	4	5	6
Plastics materials and basic forms and shapes merchant wholesalers	-	-	-	-	-	-	-
Petroleum and petroleum products merchant wholesalers	15	19	19	11	17	10	11
Petroleum bulk stations and terminals and petroleum products merchant wholesalers (except bulk stations and terminals)	-	4	5	5	5	-	-
	13	14	12	3	11	8	10

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Beer, wine, and distilled alcoholic beverage merchant wholesalers	5	-	-	3	8	6	5
Beer and ale merchant wholesalers	3	-	-	-	3	-	3
Wine and distilled alcoholic beverage merchant wholesalers	-	-	-	3	5	5	-
Miscellaneous nondurable goods merchant wholesalers	14	22	15	20	16	16	14
Farm supplies merchant wholesalers	7	12	7	17	13	10	8
Book, periodical, and newspaper merchant wholesalers	-	-	-	-	-	-	-
Flower, nursery stock, and florists' supplies merchant wholesalers	3	4	4	-	-	3	-
Tobacco and tobacco product merchant wholesalers	-	-	-	-	-	-	-
Paint, varnish, and supplies merchant wholesalers	-	-	-	-	-	-	-
Wholesale electronic markets and agents and brokers	7	9	7	6	8	11	8
Wholesale electronic markets and agents and brokers	7	9	7	6	8	11	8
Wholesale trade agents and brokers	6	7	7	6	8	11	8
<b>Retail trade</b>	<b>344</b>	<b>377</b>	<b>400</b>	<b>359</b>	<b>348</b>	<b>301</b>	<b>307</b>
Motor vehicle and parts dealers	67	77	73	71	62	59	55
Automobile dealers	26	41	43	42	28	31	30
New car dealers	12	16	17	22	17	18	19
Used car dealers	5	11	15	7	11	10	10
Other motor vehicle dealers	14	8	10	10	8	7	4
Recreational vehicle dealers	-	3	-	-	-	-	-
Motorcycle, boat, and other motor vehicle dealers	12	4	9	9	7	6	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Motorcycle, ATV, and personal watercraft dealers	6	-	4	5	4	3	-
Boat dealers	5	-	-	3	-	-	-
Automotive parts, accessories, and tire stores	27	27	20	19	26	21	21
Automotive parts and accessories stores	18	15	10	14	14	15	14
Tire dealers	9	12	10	5	12	5	7
Furniture and home furnishings stores	8	9	9	8	14	12	9
Furniture stores	4	-	8	4	8	7	7
Furniture stores	4	-	8	4	8	7	7
Home furnishings stores	4	7	-	4	6	5	-
Floor covering stores	3	4	-	3	4	4	-
Other home furnishings stores	-	-	-	-	-	-	-
Window treatment stores	-	-	-	-	-	-	-
Electronics and appliance stores	5	7	7	10	8	5	6
Electronics and appliance stores	5	7	7	10	8	5	6
Appliance, television, and other electronics stores	-	6	7	8	5	3	6
Household appliance stores	-	-	-	3	-	-	-
Radio, television, and other electronics stores	-	4	6	5	3	-	5
Camera and photographic supplies stores	-	-	-	-	-	-	-
Electronics and appliance stores	-	-	-	-	-	-	-
Household appliance stores	-	-	-	-	-	-	-
Electronics stores	-	-	-	-	-	-	-
Building material and garden equipment and supplies dealers	34	39	47	41	35	37	31
Building material and supplies dealers	23	29	39	34	26	25	18
Home centers	4	9	13	8	6	8	6

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Paint and wallpaper stores	-	-	-	-	-	-	-
Hardware stores	4	4	5	-	3	-	-
Lawn and garden equipment and supplies stores	11	10	8	7	9	12	13
Outdoor power equipment stores	-	-	-	-	3	-	4
Nursery, garden center, and farm supply stores	9	9	8	7	6	10	9
Food and beverage stores	99	85	106	82	90	55	80
Grocery stores	80	73	84	57	73	47	65
Supermarkets and other grocery (except convenience) stores	33	39	38	17	28	16	26
Convenience stores	40	32	46	37	41	29	34
Specialty food stores	10	5	13	10	8	-	8
Meat markets	-	-	5	3	-	-	-
Fish and seafood markets	-	-	-	-	-	-	-
Fruit and vegetable markets	3	-	-	-	3	-	-
Other specialty food stores	-	-	4	3	3	-	5
Baked goods stores	-	-	-	-	-	-	3
Confectionery and nut stores	-	-	-	-	-	-	-
Beer, wine, and liquor stores	8	7	9	13	9	6	7
Beer, wine, and liquor stores	8	7	9	13	9	6	7
Health and personal care stores	7	17	-	5	9	13	-
Health and personal care stores	7	17	-	5	9	13	-
Pharmacies and drug stores	3	10	-	4	4	11	-
Cosmetics, beauty supplies, and perfume stores	-	5	-	-	3	-	-
Other health and personal care stores	-	-	-	-	-	-	-
Food (health) supplement stores	-	-	-	-	-	-	-
Gasoline stations	42	45	58	52	43	38	38
Gasoline stations	42	45	58	52	43	38	38

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Gasoline stations with convenience stores	35	40	44	44	35	31	33
Clothing and clothing accessories stores	16	13	16	11	15	17	13
Clothing stores	8	8	7	8	10	14	6
Men's clothing stores	-	-	-	-	-	-	-
Women's clothing stores	-	-	-	-	-	3	-
Family clothing stores	-	5	3	-	-	6	-
Clothing accessories stores	-	-	-	-	-	-	-
Shoe stores	-	-	3	-	-	-	-
Shoe stores	-	-	3	-	-	-	-
Jewelry, luggage, and leather goods stores	8	3	5	-	4	-	7
Jewelry stores	8	-	5	-	4	-	7
Luggage and leather goods stores	-	-	-	-	-	-	-
Sporting goods, hobby, book, and music stores	5	15	8	9	12	7	6
Sporting goods, hobby, and musical instrument stores	3	6	7	4	9	4	5
Sporting goods stores	-	5	6	-	6	-	5
Hobby, toy, and game stores	-	-	-	-	-	-	-
Musical instrument and supplies stores	-	-	-	-	-	-	-
Book, periodical, and music stores	-	9	-	5	3	3	-
Book stores and news dealers	-	5	-	-	-	-	-
News dealers and newsstands	-	-	-	-	-	-	-
Prerecorded tape, compact disc, and record stores	-	3	-	4	-	-	-
General merchandise stores	11	26	19	26	24	18	19
Department stores	7	17	8	13	14	9	5
Department stores	7	17	8	13	14	9	5
Department stores (except discount department stores)	-	8	-	3	11	4	4
Discount department stores	-	8	7	8	3	5	-
Other general merchandise stores	4	9	11	12	9	9	14

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Warehouse clubs and superstores	-	5	6	5	3	-	5
Miscellaneous store retailers	25	28	29	21	15	14	31
Florists	5	3	5	3	4	5	-
Florists	5	3	5	3	4	5	-
Office supplies, stationery, and gift stores	3	5	4	4	-	-	5
Gift, novelty, and souvenir stores	3	3	3	4	-	-	3
Used merchandise stores	7	5	4	5	-	3	13
Used merchandise stores	7	5	4	5	-	3	13
Other miscellaneous store retailers	10	15	15	8	6	5	11
Pet and pet supplies stores	-	-	-	-	-	-	-
Art dealers	-	-	-	-	-	-	-
Manufactured (mobile) home dealers	-	4	4	-	-	-	-
All other miscellaneous store retailers	8	8	11	5	5	4	6
Tobacco stores	3	-	4	-	-	-	3
Nonstore retailers	22	15	23	19	19	26	17
Electronic shopping and mail-order houses	-	-	-	-	-	-	-
Electronic shopping and mail-order houses	-	-	-	-	-	-	-
Electronic shopping	-	-	-	-	-	-	-
Mail-order houses	-	-	-	-	-	-	-
Vending machine operators	-	-	-	-	-	-	3
Vending machine operators	-	-	-	-	-	-	3
Direct selling establishments	20	12	21	16	16	22	14
Fuel dealers	11	3	6	5	6	7	4
Heating oil dealers	5	-	-	-	4	3	-
Liquefied petroleum gas (bottled gas) dealers	4	-	-	3	-	-	4
<b>Transportation and warehousing</b>	<b>808</b>	<b>840</b>	<b>885</b>	<b>860</b>	<b>890</b>	<b>796</b>	<b>633</b>



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Air transportation	52	47	29	51	41	38	28
Scheduled air transportation	12	13	12	23	10	10	8
Scheduled air transportation	12	13	12	23	10	10	8
Scheduled passenger air transportation	7	8	7	14	5	8	8
Scheduled freight air transportation	-	5	4	9	4	-	-
Nonscheduled air transportation	40	34	17	28	31	28	20
Nonscheduled air transportation	40	34	17	28	31	28	20
Nonscheduled chartered passenger air transportation	23	22	9	17	22	15	11
Nonscheduled chartered freight air transportation	7	3	3	-	-	5	-
Rail transportation	18	19	23	19	16	23	13
Rail transportation	18	19	23	19	16	23	13
Rail transportation	18	19	23	19	16	23	13
Line-haul railroads	9	13	14	10	13	16	7
Short line railroads	-	-	6	-	-	-	-
Water transportation	24	44	23	21	22	18	16
Deep sea, coastal, and Great Lakes water transportation	18	40	10	12	11	12	8
Deep sea, coastal, and great lakes water transportation	18	40	10	12	11	12	8
Deep sea freight transportation	10	37	5	8	7	4	5
Deep sea passenger transportation	8	-	-	-	-	-	-
Coastal and great lakes freight transportation	-	3	-	4	4	6	-
Coastal and great lakes passenger transportation	-	-	-	-	-	-	-
Inland water transportation	6	4	11	8	10	5	7
Inland water transportation	6	4	11	8	10	5	7

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Inland water freight transportation	5	3	11	8	7	5	5
Inland water passenger transportation	-	-	-	-	-	-	-
Truck transportation	517	517	587	553	583	498	389
General freight trucking	363	389	422	364	369	311	253
General freight trucking, local	42	56	50	58	47	47	32
General freight trucking, long-distance	293	301	314	268	288	243	206
General freight trucking, long-distance, truckload	212	173	178	165	181	147	140
General freight trucking, long-distance, less than truckload	36	37	38	21	28	23	21
Specialized freight trucking	128	111	139	147	162	144	111
Used household and office goods moving	11	10	5	9	11	9	8
Specialized freight (except used goods) trucking, local	66	51	71	62	76	64	44
Specialized freight (except used goods) trucking, long-distance	48	46	56	65	59	60	53
Transit and ground passenger transportation	74	76	68	63	77	78	59
Urban transit systems	3	4	3	4	4	-	4
Urban transit systems	3	4	3	4	4	-	4
Mixed mode transit systems	-	-	-	-	-	-	-
Commuter rail systems	-	3	-	-	-	-	-
Bus and other motor vehicle transit systems	-	-	3	3	-	-	-
Interurban and rural bus transportation	-	-	-	-	-	-	-
Interurban and rural bus transportation	-	-	-	-	-	-	-
Taxi and limousine service	59	58	48	49	50	58	44
Taxi service	55	53	41	46	48	54	38

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Limousine service	3	5	-	-	-	4	3
School and employee bus transportation	-	-	4	5	8	-	-
School and employee bus transportation	-	-	4	5	8	-	-
Charter bus industry	5	7	4	4	8	5	-
Charter bus industry	5	7	4	4	8	5	-
Other transit and ground passenger transportation	6	4	7	-	6	11	6
Other transit and ground passenger transportation	6	4	7	-	6	11	6
Special needs transportation	5	-	4	-	3	4	-
Pipeline transportation	-	4	4	-	6	8	-
Pipeline transportation of crude oil	-	-	3	-	-	-	-
Pipeline transportation of crude oil	-	-	3	-	-	-	-
Pipeline transportation of natural gas	-	-	-	-	-	4	-
Pipeline transportation of natural gas	-	-	-	-	-	4	-
Other pipeline transportation	-	-	-	-	3	-	-
Scenic and sightseeing transportation	9	7	7	8	8	5	4
Scenic and sightseeing transportation, land	-	-	-	-	-	-	-
Scenic and sightseeing transportation, land	-	-	-	-	-	-	-
Scenic and sightseeing transportation, water	-	-	4	5	5	-	-
Scenic and sightseeing transportation, water	-	-	4	5	5	-	-
Scenic and sightseeing transportation, other	5	4	-	-	-	3	-
Support activities for transportation	66	80	81	80	73	89	79
Support activities for air transportation	7	14	3	11	7	14	15
Airport operations	-	6	-	4	7	5	9
Support activities for rail transportation	-	-	3	5	4	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Support activities for rail transportation	-	-	3	5	4	-	-
Support activities for water transportation	17	21	26	23	24	25	20
Port and harbor operations	-	3	-	-	4	-	-
Marine cargo handling	7	11	15	9	11	15	8
Navigational services to shipping	6	3	7	8	7	6	7
Support activities for road transportation	39	39	41	35	29	46	35
Motor vehicle towing	28	34	35	29	22	39	26
Freight transportation arrangement	-	3	3	5	6	-	6
Freight transportation arrangement	-	3	3	5	6	-	6
Other support activities for transportation	-	-	5	-	3	-	-
Other support activities for transportation	-	-	5	-	3	-	-
Packing and crating	-	-	-	-	3	-	-
Postal service	-	-	-	-	-	-	-
Postal service	-	-	-	-	-	-	-
Postal service	-	-	-	-	-	-	-
Couriers and messengers	22	25	34	41	30	23	29
Couriers and express delivery services	17	18	28	26	21	16	19
Couriers and express delivery services	17	18	28	26	21	16	19
Local messengers and local delivery	5	7	6	15	8	7	10
Local messengers and local delivery	5	7	6	15	8	7	10
Warehousing and storage	23	21	27	17	30	14	16
Warehousing and storage	23	21	27	17	30	14	16
General warehousing and storage	18	11	13	11	18	9	8
Refrigerated warehousing and storage	-	-	3	-	3	-	5
Farm product warehousing and storage	-	4	7	3	5	3	-
<b>Utilities</b>	32	51	30	53	34	37	16

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Utilities	32	51	30	53	34	37	16
Electric power generation, transmission and distribution	22	40	22	39	25	31	9
Electric power generation	8	13	11	17	9	9	4
Hydroelectric power generation	-	-	4	7	-	-	-
Fossil fuel electric power generation	5	7	4	5	5	3	-
Nuclear electric power generation	-	-	-	-	-	-	-
Solar electric power generation	-	-	-	-	-	-	-
Biomass electric power generation	-	-	-	-	-	-	-
Electric power transmission, control, and distribution	14	25	9	19	15	21	5
Electric bulk power transmission and control	-	7	-	-	-	-	-
Electric power distribution	10	15	9	14	13	19	4
Natural gas distribution	3	4	4	6	4	-	5
Natural gas distribution	3	4	4	6	4	-	5
Water, sewage and other systems	6	7	3	4	5	-	-
Water supply and irrigation systems	-	7	-	3	3	-	-
Sewage treatment facilities	-	-	-	-	-	-	-
<b>Information</b>	64	55	65	66	79	47	33
Publishing industries (except internet)	31	33	37	27	43	20	12
Newspaper, periodical, book, and directory publishers	29	33	37	25	43	20	10
Newspaper publishers	27	31	33	22	39	18	8
Other publishers	-	-	-	-	-	-	-
Motion picture and sound recording industries	5	5	6	5	3	8	-
Motion picture and video industries	3	-	4	5	3	3	-
Motion picture and video production	-	-	-	5	-	-	-
Motion picture and video exhibition	-	-	-	-	3	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Motion picture theaters (except drive-ins)	-	-	-	-	-	-	-
Sound recording industries	-	3	-	-	-	5	-
Integrated record production/distribution	-	-	-	-	-	-	-
Sound recording studios	-	-	-	-	-	5	-
Broadcasting (except internet)	3	3	3	7	12	3	-
Radio and television broadcasting	3	3	-	7	10	3	-
Radio broadcasting	-	-	-	-	4	-	-
Radio networks	-	-	-	-	-	-	-
Radio stations	-	-	-	-	-	-	-
Television broadcasting	-	3	-	5	6	3	-
Cable and other subscription programming	-	-	-	-	-	-	-
Cable and other subscription programming	-	-	-	-	-	-	-
Telecommunications	21	13	18	23	19	13	19
Wired telecommunications carriers	13	4	9	10	7	7	10
Wired telecommunications carriers	13	4	9	10	7	7	10
Wireless telecommunications carriers (except satellite)	-	4	3	4	3	3	3
Wireless telecommunications carriers (except satellite)	-	4	3	4	3	3	3
Cellular and other wireless telecommunications	-	4	3	3	3	-	-
Cable and other program distribution	4	3	4	6	7	3	-
Cable and other program distribution	4	3	4	6	7	3	-
Other telecommunications	-	-	-	-	-	-	4
Other telecommunications	-	-	-	-	-	-	4
Telecommunications resellers	-	-	-	-	-	-	-
Data processing, hosting, and related services	3	-	-	4	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Data processing, hosting, and related services	3	-	-	-	-	-	-
Data processing, hosting, and related services	3	-	-	-	-	-	-
Other information services	-	-	-	-	-	-	-
Other information services	-	-	-	-	-	-	-
News syndicates	-	-	-	-	-	-	-
Libraries and archives	-	-	-	-	-	-	-
Internet publishing and broadcasting and web search portals	-	-	-	-	-	-	-
<b>Financial activities</b>	129	116	99	126	119	106	108
<b>Finance and insurance</b>	45	46	42	44	46	24	33
Credit intermediation and related activities	27	26	23	21	24	14	18
Depository credit intermediation	11	12	10	10	9	6	8
Commercial banking	9	6	8	9	6	6	6
Savings institutions	-	3	-	-	-	-	-
Nondepository credit intermediation	13	4	7	7	11	5	6
Other nondepository credit intermediation	12	4	7	7	10	5	6
Consumer lending	-	-	3	-	-	-	-
Real estate credit	6	-	-	-	-	-	-
Activities related to credit intermediation	3	9	6	4	4	3	4
Financial transactions processing, reserve, and clearinghouse activities	-	3	-	-	-	-	-
Securities, commodity contracts, and other financial investments and related activities	6	5	7	8	-	3	8
Securities and commodity contracts intermediation and brokerage	-	4	-	5	-	-	5

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Investment banking and securities dealing	-	3	-	-	-	-	-
Securities brokerage	-	-	-	5	-	-	-
Commodity contracts dealing	-	-	-	-	-	-	-
Other financial investment activities	4	-	5	-	-	-	3
Portfolio management	-	-	-	-	-	-	-
Investment advice	3	-	4	-	-	-	3
Insurance carriers and related activities	11	14	11	14	16	7	6
Insurance carriers	5	4	4	7	3	-	3
Direct life, health, and medical insurance carriers	-	-	-	-	-	-	-
Direct life insurance carriers	-	-	-	-	-	-	-
Direct health and medical insurance carriers	-	-	-	-	-	-	-
Direct insurance (except life, health, and medical) carriers	-	-	-	3	-	-	3
Direct property and casualty insurance carriers	-	-	-	-	-	-	3
Agencies, brokerages, and other insurance related activities	5	9	7	7	13	4	3
Insurance agencies and brokerages	4	8	4	7	12	-	3
Other insurance related activities	-	-	-	-	-	-	-
Claims adjusting	-	-	-	-	-	-	-
Funds, trusts, and other financial vehicles	-	-	-	-	-	-	-
Other investment pools and funds	-	-	-	-	-	-	-
<b>Real estate and rental and leasing</b>	84	70	57	82	73	82	75
Real estate	52	46	37	58	50	54	52
Lessors of real estate	21	22	18	39	28	23	30
Lessors of residential buildings and dwellings	17	15	8	29	18	17	22



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Lessors of nonresidential buildings (except miniwarehouses)	3	-	3	5	3	5	4
Lessors of miniwarehouses and self-storage units	-	4	-	-	3	-	-
Offices of real estate agents and brokers	13	12	11	9	7	7	5
Offices of real estate agents and brokers	13	12	11	9	7	7	5
Activities related to real estate	17	11	8	8	15	20	17
Real estate property managers	17	11	8	8	13	17	16
Residential property managers	10	8	7	5	6	8	12
Nonresidential property managers	4	3	-	-	5	7	3
Rental and leasing services	31	24	19	24	23	28	23
Automotive equipment rental and leasing	6	8	8	-	10	9	9
Passenger car rental and leasing	-	6	3	-	5	4	6
Passenger car rental	-	6	-	-	5	4	6
Truck, utility trailer, and RV (recreational vehicle) rental and leasing	4	-	5	-	5	5	3
Consumer goods rental	6	6	5	8	4	6	9
Consumer electronics and appliances rental	-	-	-	-	-	-	-
Video tape and disc rental	3	-	-	-	-	-	-
Other consumer goods rental	-	-	3	6	-	-	7
Home health equipment rental	-	-	-	-	-	-	-
General rental centers	4	-	-	-	-	-	-
General rental centers	4	-	-	-	-	-	-
Commercial and industrial machinery and equipment rental and leasing	12	8	5	12	7	10	5
Construction, transportation, mining, and forestry machinery and equipment rental and leasing	8	6	-	7	6	8	4

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Commercial air, rail, and water transportation equipment rental and leasing	-	-	-	-	-	-	-
Construction, mining, and forestry machinery and equipment rental and leasing	8	4	-	5	6	6	-
<b>Professional and business services</b>	453	452	482	459	476	403	422
<b>Professional, scientific, and technical services</b>	97	77	83	78	77	69	85
Professional, scientific, and technical services	97	77	83	78	77	69	85
Legal services	14	3	12	12	11	12	13
Offices of lawyers	9	-	12	10	8	11	13
Other legal services	5	-	-	-	-	-	-
Accounting, tax preparation, bookkeeping, and payroll services	8	3	4	3	-	4	3
Accounting, tax preparation, bookkeeping, and payroll services	8	3	4	3	-	4	3
Offices of certified public accountants	5	-	-	-	-	3	-
Tax preparation services	-	-	-	-	-	-	-
Architectural, engineering, and related services	26	40	41	30	37	26	30
Architectural services	6	-	4	5	-	-	-
Landscape architectural services	-	-	-	4	-	3	-
Engineering services	10	21	24	12	21	13	19
Building inspection services	-	-	-	-	-	-	-
Geophysical surveying and mapping services	-	-	-	-	3	-	-
Surveying and mapping (except geophysical) services	-	5	3	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Testing laboratories	-	5	3	-	8	5	5
Specialized design services	5	-	-	-	-	3	-
Interior design services	-	-	-	-	-	-	-
Industrial design services	-	-	-	-	-	-	-
Graphic design services	-	-	-	-	-	-	-
Computer systems design and related services	10	4	-	5	3	-	11
Computer systems design and related services	10	4	-	5	3	-	11
Custom computer programming services	4	-	-	-	-	-	5
Computer systems design services	-	-	-	-	-	-	5
Management, scientific, and technical consulting services	12	8	4	8	12	9	13
Management consulting services	10	5	-	3	7	5	10
Administrative management and general management consulting services	-	-	-	-	-	-	4
Marketing consulting services	-	-	-	-	-	-	4
Process, physical distribution, and logistics consulting services	-	-	-	-	-	-	-
Environmental consulting services	-	-	-	-	3	-	3
Scientific research and development services	8	-	-	3	-	-	4
Research and development in the physical, engineering, and life sciences	8	-	-	-	-	-	3
Research and development in biotechnology	-	-	-	-	-	-	-
Research and development in the physical, engineering, and life sciences (except biotechnology)	-	-	-	-	-	-	-
Advertising and related services	5	9	10	9	3	6	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Advertising agencies	-	3	-	-	-	-	-
Public relations agencies	-	-	-	-	-	-	-
Media representatives	-	-	-	-	-	-	-
Outdoor advertising	3	6	7	3	-	5	-
Other professional, scientific, and technical services	9	8	5	7	7	7	8
Photographic services	-	4	-	4	-	-	-
Photography studios, portrait	-	3	-	-	-	-	-
Commercial photography	-	-	-	-	-	-	-
Veterinary services	5	-	3	-	-	3	6
<b>Management of companies and enterprises</b>	-	-	-	-	4	-	-
Management of companies and enterprises	-	-	-	-	4	-	-
Management of companies and enterprises	-	-	-	-	4	-	-
Management of companies and enterprises	-	-	-	-	4	-	-
Offices of other holding companies	-	-	-	-	-	-	-
Corporate, subsidiary, and regional managing offices	-	-	-	-	-	-	-
<b>Administrative and support and waste management and remediation services</b>	356	373	398	381	395	332	336
Administrative and support services	265	295	319	303	322	259	290
Facilities support services	4	-	3	-	4	4	4
Facilities support services	4	-	3	-	4	4	4
Employment services	19	27	46	31	57	36	24
Employment placement agencies and executive search services	-	-	-	-	6	3	-
Employment placement agencies	-	-	-	-	-	-	-
Temporary help services	13	18	20	14	20	14	5
Professional employer organizations	6	7	26	16	31	19	17

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Business support services	7	3	4	-	9	3	7
Telephone call centers	-	-	-	-	-	-	-
Telemarketing bureaus and other contact centers	-	-	-	-	-	-	-
Business service centers	3	-	-	-	5	-	3
Private mail centers	3	-	-	-	5	-	3
Collection agencies	-	-	-	-	-	-	-
Other business support services	4	-	-	-	3	-	4
Repossession services	3	-	-	-	-	-	3
Travel arrangement and reservation services	-	4	-	-	-	-	4
Travel agencies	-	4	-	-	-	-	-
Tour operators	-	-	-	-	-	-	-
Investigation and security services	35	49	34	40	49	35	37
Investigation, guard, and armored car services	35	44	33	35	42	31	33
Investigation services	-	-	-	-	-	-	-
Security guards and patrol services	31	40	29	30	33	25	29
Armored car services	3	4	4	4	9	4	4
Security systems services	-	5	-	5	7	4	4
Security systems services (except locksmiths)	-	-	-	5	6	3	3
Locksmiths	-	4	-	-	-	-	-
Services to buildings and dwellings	189	205	217	219	195	172	205
Exterminating and pest control services	-	5	4	5	4	8	4
Janitorial services	20	17	27	24	23	29	15
Landscaping services	154	170	174	173	157	123	168
Carpet and upholstery cleaning services	-	-	-	4	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Other support services	7	5	13	8	7	7	9
Packaging and labeling services	-	-	-	-	-	-	-
Convention and trade show organizers	-	-	-	-	-	-	-
Waste management and remediation services	91	78	79	78	73	73	46
Waste collection	58	40	43	48	37	41	25
Waste collection	58	40	43	48	37	41	25
Solid waste collection	45	34	34	41	31	34	22
Hazardous waste collection	6	-	-	-	-	-	-
Waste treatment and disposal	15	20	10	14	17	15	10
Waste treatment and disposal	15	20	10	14	17	15	10
Hazardous waste treatment and disposal	3	-	-	5	-	3	-
Solid waste landfill	7	15	5	8	12	5	5
Solid waste combustors and incinerators	-	-	-	-	-	-	-
Remediation and other waste management services	17	18	26	13	16	17	11
Remediation services	5	4	8	8	5	8	3
Materials recovery facilities	3	4	7	4	4	3	-
All other waste management services	9	10	10	-	7	6	6
Septic tank and related services	5	7	5	-	5	5	4
<b>Educational and health services</b>	<b>143</b>	<b>157</b>	<b>150</b>	<b>178</b>	<b>149</b>	<b>141</b>	<b>150</b>
<b>Educational services</b>	<b>41</b>	<b>44</b>	<b>46</b>	<b>49</b>	<b>34</b>	<b>28</b>	<b>27</b>
Educational services	41	44	46	49	34	28	27
Elementary and secondary schools	4	5	4	3	8	4	4
Elementary and secondary schools	4	5	4	3	8	4	4
Junior colleges	-	-	-	-	-	-	-
Junior colleges	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Colleges, universities, and professional schools	3	9	10	10	4	-	6
Colleges, universities, and professional schools	3	9	10	10	4	-	6
Technical and trade schools	27	23	22	18	17	14	13
Technical and trade schools	27	23	22	18	17	14	13
Flight training	27	21	21	17	17	14	13
Apprenticeship training	-	-	-	-	-	-	-
Other schools and instruction	3	5	9	17	4	5	4
Fine arts schools	-	-	-	-	-	-	-
Sports and recreation instruction	3	5	6	11	3	5	4
All other schools and instruction	-	-	-	4	-	-	-
Exam preparation and tutoring	-	-	-	-	-	-	-
Automobile driving schools	-	-	-	3	-	-	-
<b>Health care and social assistance</b>	102	113	104	129	115	113	123
Ambulatory health care services	36	54	50	56	48	55	54
Offices of physicians	7	4	8	12	6	16	12
Offices of physicians	7	4	8	12	6	16	12
Offices of physicians (except mental health specialists)	3	3	7	6	4	16	11
Offices of physicians, mental health specialists	-	-	-	4	-	-	-
Offices of dentists	5	4	-	5	-	-	6
Offices of dentists	5	4	-	5	-	-	6
Offices of other health practitioners	-	3	4	-	8	3	4
Offices of chiropractors	-	-	-	-	-	-	-
Offices of optometrists	-	-	-	-	-	-	-
Offices of mental health practitioners (except physicians)	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Offices of physical, occupational and speech therapists, and audiologists	-	-	-	-	-	-	-
Offices of all other health practitioners	-	-	-	-	4	-	-
Outpatient care centers	6	5	3	5	3	5	3
Outpatient mental health and substance abuse centers	-	-	-	3	-	-	-
Other outpatient care centers	5	-	-	-	-	3	-
Kidney dialysis centers	-	-	-	-	-	-	-
Freestanding ambulatory surgical and emergency centers	-	-	-	-	-	-	-
Medical and diagnostic laboratories	-	4	3	-	4	-	3
Medical and diagnostic laboratories	-	4	3	-	4	-	3
Medical laboratories	-	3	3	-	4	-	3
Diagnostic imaging centers	-	-	-	-	-	-	-
Home health care services	8	7	10	14	14	8	15
Home health care services	8	7	10	14	14	8	15
Other ambulatory health care services	9	25	20	16	11	19	11
Ambulance services	6	25	19	16	10	18	9
All other ambulatory health care services	3	-	-	-	-	-	-
Blood and organ banks	-	-	-	-	-	-	-
Hospitals	24	29	20	23	29	23	30
General medical and surgical hospitals	24	27	17	20	25	20	29
General medical and surgical hospitals	24	27	17	20	25	20	29
Psychiatric and substance abuse hospitals	-	-	-	-	-	-	-
Psychiatric and substance abuse hospitals	-	-	-	-	-	-	-
Specialty (except psychiatric and substance abuse) hospitals	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Specialty (except psychiatric and substance abuse) hospitals	-	-	-	-	-	-	-
Nursing and residential care facilities	20	16	13	22	18	17	24
Nursing care facilities (skilled nursing facilities)	7	8	6	9	8	3	8
Nursing care facilities (skilled nursing facilities)	7	8	6	9	8	3	8
Residential intellectual and developmental disability, mental health and substance abuse facilities	3	3	-	3	3	11	6
Residential intellectual and developmental disability facilities	-	-	-	3	-	4	3
Residential mental health and substance abuse facilities	-	3	-	-	-	7	3
Continuing care retirement communities and assisted living facilities for the elderly	7	4	5	3	5	3	6
Continuing care retirement communities and assisted living facilities for the elderly	7	4	5	3	5	3	6
Continuing care retirement communities	3	-	-	-	3	-	-
Assisted living facilities for the elderly	4	3	-	-	-	-	4
Other residential care facilities	-	-	-	7	-	-	4
Social assistance	20	13	20	25	20	18	14
Individual and family services	7	5	12	6	14	6	9
Child and youth services	-	-	-	-	3	-	-
Services for the elderly and persons with disabilities	-	-	5	5	5	-	4
Community food and housing, and emergency and other relief services	-	-	-	5	-	-	3

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Community food services	-	-	-	-	-	-	-
Community housing services	-	-	-	-	-	-	-
Temporary shelters	-	-	-	-	-	-	-
Emergency and other relief services	-	-	-	-	-	-	-
Vocational rehabilitation services	5	3	3	7	-	9	-
Vocational rehabilitation services	5	3	3	7	-	9	-
Child day care services	6	3	-	7	-	-	-
Child day care services	6	3	-	7	-	-	-
<b>Leisure and hospitality</b>	<b>275</b>	<b>247</b>	<b>213</b>	<b>265</b>	<b>260</b>	<b>238</b>	<b>231</b>
<b>Arts, entertainment, and recreation</b>	<b>88</b>	<b>99</b>	<b>77</b>	<b>80</b>	<b>96</b>	<b>92</b>	<b>80</b>
Performing arts, spectator sports, and related industries	42	50	37	45	47	44	42
Performing arts companies	6	9	6	8	10	8	8
Theater companies and dinner theaters	-	-	-	-	-	-	-
Dance companies	-	-	-	-	-	-	-
Musical groups and artists	5	4	3	3	6	5	5
Spectator sports	25	31	23	20	25	25	23
Spectator sports	25	31	23	20	25	25	23
Sports teams and clubs	-	-	-	-	5	-	-
Racetracks	5	5	8	5	6	9	5
Promoters of performing arts, sports, and similar events	-	5	3	10	8	4	6
Promoters of performing arts, sports, and similar events with facilities	-	3	-	-	6	-	4
Promoters of performing arts, sports, and similar events without facilities	-	-	-	7	-	3	-
Agents and managers for artists, athletes, entertainers, and other public figures	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Agents and managers for artists, athletes, entertainers, and other public figures	-	-	-	-	-	-	-
Independent artists, writers, and performers	8	5	5	6	4	7	5
Independent artists, writers, and performers	8	5	5	6	4	7	5
Museums, historical sites, and similar institutions	6	4	4	4	4	5	-
Museums, historical sites, and similar institutions	6	4	4	4	4	5	-
Museums	-	-	-	-	-	3	-
Zoos and botanical gardens	-	-	3	-	-	-	-
Amusement, gambling, and recreation industries	40	45	35	31	45	43	37
Amusement parks and arcades	8	5	4	3	10	6	6
Amusement and theme parks	8	4	4	-	10	6	6
Amusement arcades	-	-	-	-	-	-	-
Gambling industries	-	3	-	-	3	-	4
Casinos (except casino hotels)	-	-	-	-	-	-	-
Other amusement and recreation industries	31	37	29	25	32	35	27
Golf courses and country clubs	9	17	12	10	14	11	8
Skiing facilities	-	-	-	-	-	4	-
Marinas	-	-	3	-	5	-	3
Fitness and recreational sports centers	4	-	-	-	3	-	-
Bowling centers	-	-	-	-	-	-	-
<b>Accommodation and food services</b>	187	148	136	185	164	146	151
Accommodation	40	30	28	39	34	26	32
Traveler accommodation	28	22	24	36	29	23	27
Hotels (except casino hotels) and motels	24	17	23	32	27	20	19

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Casino hotels	3	4	-	-	-	-	6
Other traveler accommodation	-	-	-	-	-	-	-
Bed-and-breakfast inns	-	-	-	-	-	-	-
RV (recreational vehicle) parks and recreational camps	11	7	4	3	5	3	4
RV (recreational vehicle) parks and recreational camps	11	7	4	3	5	3	4
RV (recreational vehicle) parks and campgrounds	6	3	-	-	-	-	-
Recreational and vacation camps (except campgrounds)	5	4	3	-	3	-	3
Rooming and boarding houses	-	-	-	-	-	-	-
Rooming and boarding houses	-	-	-	-	-	-	-
Food services and drinking places	146	118	108	146	130	120	119
Full-service restaurants	39	29	26	47	36	42	41
Full-service restaurants	39	29	26	47	36	42	41
Limited-service eating places	61	48	46	52	58	33	39
Limited-service eating places	61	48	46	52	58	33	39
Limited-service restaurants	51	38	40	44	48	28	33
Cafeterias, grill buffets, and buffets	-	-	-	-	-	-	3
Snack and nonalcoholic beverage bars	5	-	4	3	-	4	3
Special food services	12	5	10	12	8	8	7
Food service contractors	6	3	-	-	3	-	4
Caterers	-	-	-	5	3	3	-
Mobile food services	6	-	6	6	-	5	3
Drinking places (alcoholic beverages)	33	34	26	31	27	35	32
Drinking places (alcoholic beverages)	33	34	26	31	27	35	32
Restaurants and other eating places	-	-	-	-	-	-	-
Restaurants and other eating places	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Full-service restaurants	-	-	-	-	-	-	-
Limited-service restaurants	-	-	-	-	-	-	-
Cafeterias, grill buffets, and buffets	-	-	-	-	-	-	-
Snack and nonalcoholic beverage bars	-	-	-	-	-	-	-
<b>Other services, except public administration</b>	194	207	210	183	175	178	173
Repair and maintenance	121	115	115	113	91	109	112
Automotive repair and maintenance	87	86	79	79	61	77	84
Automotive mechanical and electrical repair and maintenance	57	51	56	49	34	49	42
General automotive repair	45	47	48	45	29	47	39
Automotive exhaust system repair	-	-	-	-	-	-	-
Automotive transmission repair	-	-	-	-	-	-	-
Automotive body, paint, interior, and glass repair	15	16	11	11	8	11	23
Automotive body, paint, and interior repair and maintenance	14	14	9	11	6	10	19
Automotive glass replacement shops	-	-	-	-	-	-	-
Other automotive repair and maintenance	10	17	11	12	15	16	15
Automotive oil change and lubrication shops	-	3	-	-	-	-	-
Car washes	3	5	7	8	6	8	7
Electronic and precision equipment repair and maintenance	5	3	-	5	4	4	4
Electronic and precision equipment repair and maintenance	5	3	-	5	4	4	4
Consumer electronics repair and maintenance	3	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Computer and office machine repair and maintenance	-	-	-	-	-	-	-
Communication equipment repair and maintenance	-	-	-	-	-	-	-
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	19	13	21	21	16	24	20
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	19	13	21	21	16	24	20
Personal and household goods repair and maintenance	8	12	10	6	9	4	4
Home and garden equipment and appliance repair and maintenance	4	6	5	-	8	-	-
Home and garden equipment repair and maintenance	-	-	-	-	3	-	-
Appliance repair and maintenance	-	4	4	-	5	-	-
Reupholstery and furniture repair	-	-	-	-	-	-	-
Personal and laundry services	42	39	47	29	42	29	29
Personal care services	10	13	20	9	19	13	14
Hair, nail, and skin care services	8	11	16	8	14	12	11
Barber shops	4	3	7	4	9	7	6
Beauty salons	-	5	9	4	4	3	5
Nail salons	-	3	-	-	-	-	-
Other personal care services	-	-	4	-	5	-	3
Death care services	8	5	7	6	-	4	3
Funeral homes and funeral services	4	5	5	6	-	-	-
Cemeteries and crematories	4	-	-	-	-	3	-
Drycleaning and laundry services	16	14	10	5	16	10	9
Coin-operated laundries and drycleaners	6	-	-	-	4	4	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Drycleaning and laundry services (except coin-operated)	7	8	5	-	5	4	4
Linen and uniform supply	3	5	3	-	7	-	4
Linen supply	-	-	-	-	3	-	-
Industrial launderers	-	3	-	-	4	-	3
Other personal services	8	7	10	9	5	-	3
Pet care (except veterinary) services	4	3	-	-	-	-	-
Parking lots and garages	-	-	5	5	-	-	3
Religious, grantmaking, civic, professional, and similar organizations	30	42	43	35	39	36	29
Religious organizations	17	31	21	25	28	18	18
Religious organizations	17	31	21	25	28	18	18
Grantmaking and giving services	-	-	-	-	-	-	-
Grantmaking and giving services	-	-	-	-	-	-	-
Grantmaking foundations	-	-	-	-	-	-	-
Voluntary health organizations	-	-	-	-	-	-	-
Social advocacy organizations	-	-	-	-	-	-	-
Social advocacy organizations	-	-	-	-	-	-	-
Environment, conservation and wildlife organizations	-	-	-	-	-	-	-
Civic and social organizations	7	3	14	-	-	9	8
Civic and social organizations	7	3	14	-	-	9	8
Business, professional, labor, political, and similar organizations	4	6	5	5	-	6	-
Business associations	-	-	-	-	-	-	-
Professional organizations	-	-	-	-	-	-	-
Labor unions and similar labor organizations	3	4	-	-	-	-	-
Political organizations	-	-	-	-	-	4	-
Private households	-	11	5	6	3	4	3
Private households	-	11	5	6	3	4	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Private households	-	11	5	6	3	4	3
<b>Public administration</b>	-	-	-	-	-	-	-
Justice, public order, and safety activities	-	-	-	-	-	-	-
Justice, public order, and safety activities	-	-	-	-	-	-	-
Fire protection	-	-	-	-	-	-	-
<b>Government (NAICS)<sup>12</sup></b>	532	535	520	520	545	544	461
<b>Federal government (NAICS)<sup>10</sup></b>	98	118	106	122	111	108	122
<b>Goods producing</b>	-	-	4	13	-	8	4
<b>Natural resources and mining</b>	-	-	-	10	-	5	-
<b>Agriculture, forestry, fishing and hunting</b>	-	-	-	10	-	5	-
Support activities for agriculture and forestry	-	-	-	10	-	5	-
Support activities for forestry	-	-	-	10	-	5	-
Support activities for forestry	-	-	-	10	-	5	-
<b>Mining, quarrying, and oil and gas extraction<sup>11</sup></b>	-	-	-	-	-	-	-
Mining (except oil and gas)	-	-	-	-	-	-	-
Coal mining	-	-	-	-	-	-	-
Coal mining	-	-	-	-	-	-	-
Bituminous coal underground mining	-	-	-	-	-	-	-
<b>Construction</b>	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heavy and civil engineering construction	-	-	-	-	-	-	-
Other heavy and civil engineering construction	-	-	-	-	-	-	-
Specialty trade contractors	-	-	-	-	-	-	-
Building equipment contractors	-	-	-	-	-	-	-
Plumbing, heating, and air-conditioning contractors	-	-	-	-	-	-	-
Nonresidential plumbing, heating, and air-conditioning contractors	-	-	-	-	-	-	-
<b>Manufacturing</b>	-	-	-	-	-	-	-
Transportation equipment manufacturing	-	-	-	-	-	-	-
Ship and boat building	-	-	-	-	-	-	-
Ship and boat building	-	-	-	-	-	-	-
Ship building and repairing	-	-	-	-	-	-	-
<b>Service providing</b>	96	116	102	109	109	100	118
<b>Trade, transportation, and utilities</b>	12	19	22	22	17	22	16
<b>Transportation and warehousing</b>	12	18	21	22	16	20	16
Air transportation	-	-	-	-	-	-	-
Nonscheduled air transportation	-	-	-	-	-	-	-
Nonscheduled air transportation	-	-	-	-	-	-	-
Nonscheduled chartered passenger air transportation	-	-	-	-	-	-	-
Rail transportation	-	-	-	-	-	-	-
Rail transportation	-	-	-	-	-	-	-
Rail transportation	-	-	-	-	-	-	-
Line-haul railroads	-	-	-	-	-	-	-
Transit and ground passenger transportation	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Urban transit systems	-	-	-	-	-	-	-
Urban transit systems	-	-	-	-	-	-	-
Commuter rail systems	-	-	-	-	-	-	-
Other transit and ground passenger transportation	-	-	-	-	-	-	-
Other transit and ground passenger transportation	-	-	-	-	-	-	-
Special needs transportation	-	-	-	-	-	-	-
Support activities for transportation	-	-	-	-	-	-	-
Support activities for air transportation	-	-	-	-	-	-	-
Support activities for rail transportation	-	-	-	-	-	-	-
Support activities for rail transportation	-	-	-	-	-	-	-
Postal service	12	16	20	21	14	20	14
Postal service	12	16	20	21	14	20	14
Postal service	12	16	20	21	14	20	14
<b>Utilities</b>	-	-	-	-	-	-	-
Utilities	-	-	-	-	-	-	-
Electric power generation, transmission and distribution	-	-	-	-	-	-	-
Electric power transmission, control, and distribution	-	-	-	-	-	-	-
Electric power distribution	-	-	-	-	-	-	-
<b>Financial activities</b>	-	-	-	-	-	-	-
<b>Real estate and rental and leasing</b>	-	-	-	-	-	-	-
Rental and leasing services	-	-	-	-	-	-	-
Automotive equipment rental and leasing	-	-	-	-	-	-	-
Passenger car rental and leasing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Passenger car rental	-	-	-	-	-	-	-
<b>Professional and business services</b>	-	-	-	7	-	-	-
<b>Professional, scientific, and technical services</b>	-	-	-	6	-	-	-
Professional, scientific, and technical services	-	-	-	6	-	-	-
Scientific research and development services	-	-	-	3	-	-	-
Research and development in the physical, engineering, and life sciences	-	-	-	3	-	-	-
<b>Administrative and support and waste management and remediation services</b>	-	-	-	-	-	-	-
Administrative and support services	-	-	-	-	-	-	-
Employment services	-	-	-	-	-	-	-
Employment placement agencies and executive search services	-	-	-	-	-	-	-
Employment placement agencies	-	-	-	-	-	-	-
<b>Educational and health services</b>	-	-	7	-	4	4	-
<b>Educational services</b>	-	-	-	-	-	-	-
Educational services	-	-	-	-	-	-	-
Elementary and secondary schools	-	-	-	-	-	-	-
Elementary and secondary schools	-	-	-	-	-	-	-
<b>Health care and social assistance</b>	-	-	7	-	3	4	-
Hospitals	-	-	3	-	-	4	-
General medical and surgical hospitals	-	-	-	-	-	4	-
General medical and surgical hospitals	-	-	-	-	-	4	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Nursing and residential care facilities	-	-	-	-	-	-	-
Nursing care facilities (skilled nursing facilities)	-	-	-	-	-	-	-
Nursing care facilities (skilled nursing facilities)	-	-	-	-	-	-	-
Social assistance	-	-	4	-	-	-	-
<b>Leisure and hospitality</b>	-	3	4	3	-	-	-
<b>Arts, entertainment, and recreation</b>	-	3	4	3	-	-	-
Museums, historical sites, and similar institutions	-	3	4	3	-	-	-
Museums, historical sites, and similar institutions	-	3	4	3	-	-	-
Museums	-	-	-	-	-	-	-
<b>Public administration</b>	80	91	67	73	88	72	98
Executive, legislative, and other general government support	-	-	-	-	-	-	-
Executive, legislative, and other general government support	-	-	-	-	-	-	-
Executive offices	-	-	-	-	-	-	-
Legislative bodies	-	-	-	-	-	-	-
Public finance activities	-	-	-	-	-	-	-
Justice, public order, and safety activities	3	5	-	4	9	6	-
Justice, public order, and safety activities	3	5	-	4	9	6	-
Police protection	-	5	-	-	6	5	-
Correctional institutions	-	-	-	-	-	-	-
Fire protection	-	-	-	-	-	-	-
Administration of human resource programs	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Administration of human resource programs	-	-	-	-	-	-	-
Administration of environmental quality programs	-	5	-	-	-	-	5
Administration of environmental quality programs	-	5	-	-	-	-	5
Administration of air and water resource and solid waste management programs	-	-	-	-	-	-	-
Administration of conservation programs	-	5	-	-	-	-	5
Administration of economic programs	4	-	7	3	5	5	15
Administration of economic programs	4	-	7	3	5	5	15
Administration of general economic programs	-	-	-	-	-	-	3
Regulation and administration of transportation programs	-	-	3	-	-	5	11
Regulation and administration of communications, electric, gas, and other utilities	-	-	-	-	-	-	-
Regulation of agricultural marketing and commodities	-	-	-	-	-	-	-
Space research and technology	7	-	-	-	-	-	-
Space research and technology	7	-	-	-	-	-	-
Space research and technology	7	-	-	-	-	-	-
National security and international affairs	61	77	54	60	69	59	73
National security and international affairs	61	77	54	60	69	59	73
National security	60	76	52	56	67	54	69
International affairs	-	-	-	3	-	-	4
<b>State government (NAICS)<sup>10</sup></b>	<b>102</b>	<b>100</b>	<b>107</b>	<b>112</b>	<b>110</b>	<b>118</b>	<b>75</b>

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Goods producing</b>	17	18	15	27	15	17	17
<b>Natural resources and mining</b>	-	-	-	-	-	-	-
<b>Agriculture, forestry, fishing and hunting</b>	-	-	-	-	-	-	-
Animal production and aquaculture	-	-	-	-	-	-	-
Aquaculture	-	-	-	-	-	-	-
Aquaculture	-	-	-	-	-	-	-
Finfish farming and fish hatcheries	-	-	-	-	-	-	-
Support activities for agriculture and forestry	-	-	-	-	-	-	-
Support activities for forestry	-	-	-	-	-	-	-
Support activities for forestry	-	-	-	-	-	-	-
<b>Construction</b>	16	16	15	26	13	17	15
Heavy and civil engineering construction	16	15	15	25	13	17	15
Highway, street, and bridge construction	16	15	15	25	13	17	15
Highway, street, and bridge construction	16	15	15	25	13	17	15
Other heavy and civil engineering construction	-	-	-	-	-	-	-
Specialty trade contractors	-	-	-	-	-	-	-
Building equipment contractors	-	-	-	-	-	-	-
Electrical contractors and other wiring installation contractors	-	-	-	-	-	-	-
Nonresidential electrical contractors and other wiring installation contractors	-	-	-	-	-	-	-
<b>Service providing</b>	85	82	92	85	95	101	58

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Trade, transportation, and utilities</b>	3	8	3	3	3	6	7
<b>Retail trade</b>	-	-	-	-	-	-	-
Food and beverage stores	-	-	-	-	-	-	-
Beer, wine, and liquor stores	-	-	-	-	-	-	-
Beer, wine, and liquor stores	-	-	-	-	-	-	-
<b>Transportation and warehousing</b>	3	7	3	-	3	6	6
Rail transportation	-	-	-	-	-	-	-
Rail transportation	-	-	-	-	-	-	-
Rail transportation	-	-	-	-	-	-	-
Water transportation	-	-	-	-	-	-	-
Deep sea, coastal, and Great Lakes water transportation	-	-	-	-	-	-	-
Deep sea, coastal, and great lakes water transportation	-	-	-	-	-	-	-
Coastal and great lakes passenger transportation	-	-	-	-	-	-	-
Transit and ground passenger transportation	-	3	-	-	-	3	-
Urban transit systems	-	3	-	-	-	3	-
Urban transit systems	-	3	-	-	-	3	-
Mixed mode transit systems	-	-	-	-	-	-	-
Bus and other motor vehicle transit systems	-	-	-	-	-	-	-
Interurban and rural bus transportation	-	-	-	-	-	-	-
Interurban and rural bus transportation	-	-	-	-	-	-	-
Support activities for transportation	-	4	-	-	-	3	5
Support activities for road transportation	-	-	-	-	-	-	4
Motor vehicle towing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Utilities</b>	-	-	-	-	-	-	-
Utilities	-	-	-	-	-	-	-
Electric power generation, transmission and distribution	-	-	-	-	-	-	-
Electric power transmission, control, and distribution	-	-	-	-	-	-	-
<b>Financial activities</b>	-	-	-	-	-	-	-
<b>Finance and insurance</b>	-	-	-	-	-	-	-
Funds, trusts, and other financial vehicles	-	-	-	-	-	-	-
Insurance and employee benefit funds	-	-	-	-	-	-	-
Pension funds	-	-	-	-	-	-	-
<b>Professional and business services</b>	3	4	-	-	-	-	-
<b>Professional, scientific, and technical services</b>	-	-	-	-	-	-	-
Professional, scientific, and technical services	-	-	-	-	-	-	-
Architectural, engineering, and related services	-	-	-	-	-	-	-
Engineering services	-	-	-	-	-	-	-
Scientific research and development services	-	-	-	-	-	-	-
Research and development in the physical, engineering, and life sciences	-	-	-	-	-	-	-
Research and development in the physical, engineering, and life sciences (except biotechnology)	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Administrative and support and waste management and remediation services</b>	-	3	-	-	-	-	-
Administrative and support services	-	-	-	-	-	-	-
Investigation and security services	-	-	-	-	-	-	-
Investigation, guard, and armored car services	-	-	-	-	-	-	-
Security guards and patrol services	-	-	-	-	-	-	-
Services to buildings and dwellings	-	-	-	-	-	-	-
Landscaping services	-	-	-	-	-	-	-
Waste management and remediation services	-	-	-	-	-	-	-
Waste treatment and disposal	-	-	-	-	-	-	-
Waste treatment and disposal	-	-	-	-	-	-	-
Hazardous waste treatment and disposal	-	-	-	-	-	-	-
<b>Educational and health services</b>	16	31	22	22	27	25	16
<b>Educational services</b>	12	25	19	15	19	17	14
Educational services	12	25	19	15	19	17	14
Elementary and secondary schools	-	-	-	5	-	-	-
Elementary and secondary schools	-	-	-	5	-	-	-
Junior colleges	-	-	-	-	-	-	-
Junior colleges	-	-	-	-	-	-	-
Colleges, universities, and professional schools	11	24	16	7	17	11	12
Colleges, universities, and professional schools	11	24	16	7	17	11	12
<b>Health care and social assistance</b>	4	6	3	7	8	8	-
Hospitals	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Psychiatric and substance abuse hospitals	-	-	-	-	-	-	-
Psychiatric and substance abuse hospitals	-	-	-	-	-	-	-
Specialty (except psychiatric and substance abuse) hospitals	-	-	-	-	-	-	-
Specialty (except psychiatric and substance abuse) hospitals	-	-	-	-	-	-	-
Nursing and residential care facilities	-	-	-	-	-	-	-
Residential intellectual and developmental disability, mental health and substance abuse facilities	-	-	-	-	-	-	-
Residential intellectual and developmental disability facilities	-	-	-	-	-	-	-
Residential mental health and substance abuse facilities	-	-	-	-	-	-	-
Social assistance	-	5	-	4	-	3	-
Individual and family services	-	4	-	3	-	-	-
Child and youth services	-	3	-	-	-	-	-
Vocational rehabilitation services	-	-	-	-	-	-	-
Vocational rehabilitation services	-	-	-	-	-	-	-
<b>Leisure and hospitality</b>	-	-	-	-	-	4	-
<b>Arts, entertainment, and recreation</b>	-	-	-	-	-	3	-
Performing arts, spectator sports, and related industries	-	-	-	-	-	-	-
Promoters of performing arts, sports, and similar events	-	-	-	-	-	-	-
Promoters of performing arts, sports, and similar events with facilities	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Museums, historical sites, and similar institutions	-	-	-	-	-	3	-
Museums, historical sites, and similar institutions	-	-	-	-	-	3	-
Historical sites	-	-	-	-	-	-	-
<b>Accommodation and food services</b>	-	-	-	-	-	-	-
Accommodation	-	-	-	-	-	-	-
Traveler accommodation	-	-	-	-	-	-	-
Hotels (except casino hotels) and motels	-	-	-	-	-	-	-
<b>Public administration</b>	60	38	63	58	61	62	33
Executive, legislative, and other general government support	-	4	-	-	-	-	-
Executive, legislative, and other general government support	-	4	-	-	-	-	-
Legislative bodies	-	-	-	-	-	-	-
Public finance activities	-	-	-	-	-	-	-
Justice, public order, and safety activities	40	21	39	37	40	43	24
Justice, public order, and safety activities	40	21	39	37	40	43	24
Police protection	23	14	26	25	21	18	11
Legal counsel and prosecution	-	-	-	-	-	-	-
Correctional institutions	15	5	9	8	17	20	8
Parole offices and probation offices	-	-	-	-	-	-	-
Fire protection	-	-	-	-	-	-	-
Administration of human resource programs	-	3	-	6	3	-	6
Administration of human resource programs	-	3	-	6	3	-	6
Administration of public health programs	-	-	-	-	-	-	3

## Fatal occupational injuries by selected characteristics, 2003-2017

[illegible]

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Agriculture, forestry, fishing and hunting</b>	-	-	-	-	-	5	-
Fishing, hunting and trapping	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-
Fishing	-	-	-	-	-	-	-
<b>Construction</b>	24	28	35	30	22	22	28
Heavy and civil engineering construction	23	27	33	27	22	18	28
Utility system construction	-	-	3	3	3	-	-
Water and sewer line and related structures construction	-	-	3	3	3	-	-
Highway, street, and bridge construction	21	26	29	23	19	16	26
Highway, street, and bridge construction	21	26	29	23	19	16	26
Specialty trade contractors	-	-	-	-	-	-	-
Building equipment contractors	-	-	-	-	-	-	-
Electrical contractors and other wiring installation contractors	-	-	-	-	-	-	-
Nonresidential electrical contractors and other wiring installation contractors	-	-	-	-	-	-	-
<b>Manufacturing</b>	-	-	-	-	-	-	-
Food manufacturing	-	-	-	-	-	-	-
Grain and oilseed milling	-	-	-	-	-	-	-
<b>Service providing</b>	299	284	263	247	298	289	230
<b>Trade, transportation, and utilities</b>	18	23	31	25	24	25	15
<b>Transportation and warehousing</b>	8	9	15	6	13	10	7
Transit and ground passenger transportation	5	5	9	4	10	6	5

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Urban transit systems	4	5	6	3	3	4	5
Urban transit systems	4	5	6	3	3	4	5
Mixed mode transit systems	3	3	-	-	-	3	5
Bus and other motor vehicle transit systems	-	-	4	-	3	-	-
School and employee bus transportation	-	-	-	-	5	-	-
School and employee bus transportation	-	-	-	-	5	-	-
Other transit and ground passenger transportation	-	-	-	-	-	-	-
Other transit and ground passenger transportation	-	-	-	-	-	-	-
Special needs transportation	-	-	-	-	-	-	-
Support activities for transportation	-	-	4	-	3	4	-
Support activities for water transportation	-	-	-	-	-	-	-
Port and harbor operations	-	-	-	-	-	-	-
Support activities for road transportation	-	-	-	-	-	3	-
<b>Utilities</b>	10	13	15	19	11	15	8
Utilities	10	13	15	19	11	15	8
Electric power generation, transmission and distribution	-	5	-	8	4	4	-
Electric power generation	-	-	-	-	-	-	-
Fossil fuel electric power generation	-	-	-	-	-	-	-
Electric power transmission, control, and distribution	-	3	-	4	4	-	-
Electric bulk power transmission and control	-	-	-	-	-	-	-
Electric power distribution	-	3	-	3	4	-	-
Natural gas distribution	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Natural gas distribution	-	-	-	-	-	-	-
Water, sewage and other systems	7	8	12	8	7	10	7
Water supply and irrigation systems	3	4	6	4	6	6	5
Sewage treatment facilities	3	4	4	4	-	4	-
<b>Information</b>	-	3	-	-	-	-	-
Publishing industries (except internet)	-	-	-	-	-	-	-
Newspaper, periodical, book, and directory publishers	-	-	-	-	-	-	-
Newspaper publishers	-	-	-	-	-	-	-
Other information services	-	-	-	-	-	-	-
Other information services	-	-	-	-	-	-	-
Libraries and archives	-	-	-	-	-	-	-
<b>Financial activities</b>	-	-	-	-	-	-	-
<b>Real estate and rental and leasing</b>	-	-	-	-	-	-	-
Real estate	-	-	-	-	-	-	-
Activities related to real estate	-	-	-	-	-	-	-
Real estate property managers	-	-	-	-	-	-	-
Residential property managers	-	-	-	-	-	-	-
<b>Professional and business services</b>	22	14	18	14	15	19	9
<b>Professional, scientific, and technical services</b>	-	-	-	-	-	-	-
Professional, scientific, and technical services	-	-	-	-	-	-	-
Other professional, scientific, and technical services	-	-	-	-	-	-	-
Veterinary services	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Administrative and support and waste management and remediation services</b>	21	13	18	13	15	18	9
Administrative and support services	4	4	6	4	8	3	-
Facilities support services	-	-	-	-	-	-	-
Facilities support services	-	-	-	-	-	-	-
Services to buildings and dwellings	-	3	4	3	8	3	-
Exterminating and pest control services	-	-	-	-	-	-	-
Janitorial services	-	-	-	-	-	-	-
Landscaping services	-	3	4	3	7	3	-
Waste management and remediation services	17	9	12	9	7	15	8
Waste collection	14	7	8	5	-	13	7
Waste collection	14	7	8	5	-	13	7
Solid waste collection	14	7	8	5	-	12	7
Waste treatment and disposal	3	-	-	4	-	-	-
Waste treatment and disposal	3	-	-	4	-	-	-
Solid waste landfill	-	-	-	4	-	-	-
Remediation and other waste management services	-	-	-	-	-	-	-
Materials recovery facilities	-	-	-	-	-	-	-
<b>Educational and health services</b>	50	45	37	43	33	43	39
<b>Educational services</b>	42	32	32	37	25	34	32
Educational services	42	32	32	37	25	34	32
Elementary and secondary schools	39	31	29	35	23	33	30
Elementary and secondary schools	39	31	29	35	23	33	30
Junior colleges	-	-	-	-	-	-	-
Junior colleges	-	-	-	-	-	-	-
Colleges, universities, and professional schools	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Colleges, universities, and professional schools	-	-	-	-	-	-	-
<b>Health care and social assistance</b>	8	13	5	6	8	9	7
Ambulatory health care services	-	3	4	-	7	5	3
Outpatient care centers	-	-	-	-	-	-	-
Outpatient mental health and substance abuse centers	-	-	-	-	-	-	-
Other ambulatory health care services	-	-	-	-	6	5	-
Ambulance services	-	-	-	-	6	5	-
Hospitals	-	6	-	-	-	-	-
General medical and surgical hospitals	-	4	-	-	-	-	-
General medical and surgical hospitals	-	4	-	-	-	-	-
Social assistance	3	3	-	4	-	-	-
Individual and family services	3	-	-	-	-	-	-
Community food and housing, and emergency and other relief services	-	-	-	-	-	-	-
Community housing services	-	-	-	-	-	-	-
Temporary shelters	-	-	-	-	-	-	-
<b>Leisure and hospitality</b>	5	-	11	3	8	8	6
<b>Arts, entertainment, and recreation</b>	5	-	10	3	7	8	6
Performing arts, spectator sports, and related industries	3	-	-	-	-	-	-
Promoters of performing arts, sports, and similar events	3	-	-	-	-	-	-
Promoters of performing arts, sports, and similar events with facilities	3	-	-	-	-	-	-
Museums, historical sites, and similar institutions	-	-	6	-	7	3	4

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Museums, historical sites, and similar institutions	-	-	6	-	7	3	4
Amusement, gambling, and recreation industries	-	-	-	3	-	5	-
Other amusement and recreation industries	-	-	-	3	-	5	-
Golf courses and country clubs	-	-	-	-	-	-	-
Skiing facilities	-	-	-	-	-	-	-
<b>Accommodation and food services</b>	-	-	-	-	-	-	-
Accommodation	-	-	-	-	-	-	-
Traveler accommodation	-	-	-	-	-	-	-
Casino hotels	-	-	-	-	-	-	-
RV (recreational vehicle) parks and recreational camps	-	-	-	-	-	-	-
RV (recreational vehicle) parks and recreational camps	-	-	-	-	-	-	-
RV (recreational vehicle) parks and campgrounds	-	-	-	-	-	-	-
Recreational and vacation camps (except campgrounds)	-	-	-	-	-	-	-
<b>Other services, except public administration</b>	-	-	-	-	-	-	-
Repair and maintenance	-	-	-	-	-	-	-
Automotive repair and maintenance	-	-	-	-	-	-	-
Automotive mechanical and electrical repair and maintenance	-	-	-	-	-	-	-
General automotive repair	-	-	-	-	-	-	-
Personal and laundry services	-	-	-	-	-	-	-
Other personal services	-	-	-	-	-	-	-
Pet care (except veterinary) services	-	-	-	-	-	-	-
Parking lots and garages	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Public administration</b>	202	195	163	162	217	191	157
Executive, legislative, and other general government support	16	17	5	8	7	9	9
Executive, legislative, and other general government support	16	17	5	8	7	9	9
Executive offices	3	-	-	-	-	-	3
Legislative bodies	-	-	-	-	-	-	-
Public finance activities	-	-	-	-	-	-	-
Executive and legislative offices, combined	-	8	-	-	5	-	-
American Indian and Alaska native tribal governments	4	-	-	-	-	-	-
Justice, public order, and safety activities	175	164	148	147	205	175	140
Justice, public order, and safety activities	175	164	148	147	205	175	140
Courts	-	3	-	-	-	4	-
Police protection	126	119	104	101	135	111	96
Legal counsel and prosecution	-	-	-	-	-	3	-
Correctional institutions	5	3	-	3	-	3	4
Parole offices and probation offices	-	-	-	-	-	-	-
Fire protection	38	37	38	42	60	50	39
Administration of human resource programs	-	-	-	-	-	-	-
Administration of human resource programs	-	-	-	-	-	-	-
Administration of public health programs	-	-	-	-	-	-	-
Administration of environmental quality programs	6	3	3	-	-	-	3
Administration of environmental quality programs	6	3	3	-	-	-	3
Administration of air and water resource and solid waste management programs	5	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Administration of conservation programs	-	-	-	-	-	-	-
Administration of housing programs, urban planning, and community development	-	-	-	-	-	-	-
Administration of housing programs, urban planning, and community development	-	-	-	-	-	-	-
Administration of housing programs	-	-	-	-	-	-	-
Administration of urban planning and community and rural development	-	-	-	-	-	-	-
Administration of economic programs	-	5	5	4	-	5	-
Administration of economic programs	-	5	5	4	-	5	-
Regulation and administration of transportation programs	-	-	-	-	-	-	-
Regulation, licensing, and inspection of miscellaneous commercial sectors	-	3	-	-	-	-	-
<b>Event or exposure<sup>13</sup></b>							
<b>Contact with objects and equipment</b>	913	1,009	1,005	993	920	937	741
Struck against object or equipment	14	17	8	10	9	12	8
Stepped on object	-	-	-	-	-	-	-
Struck against stationary object or equipment	12	9	7	9	4	10	6
Struck against moving object or equipment	-	-	-	-	-	-	-
Struck by object or equipment	531	602	607	589	504	520	420
Struck by falling object or equipment	324	373	385	382	328	356	272
Struck by flying object	57	42	53	70	58	51	41
Struck by dislodged flying object, particle	26	22	26	35	29	29	27

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Struck by discharged object or substance	22	8	16	23	18	13	13
Struck by swinging or slipping object	43	44	45	30	39	39	35
Struck by or slammed in swinging door or gate	5	-	5	4	3	3	3
Struck by slipping handheld object	5	6	6	-	9	3	9
Struck by rolling, sliding objects or equipment on floor or ground level	76	110	94	89	56	50	60
Caught in or compressed by equipment or objects	238	269	278	283	296	302	233
Caught in running equipment or machinery	123	141	121	148	140	109	114
Compressed or pinched by rolling, sliding, or shifting objects	45	67	63	58	85	104	60
Caught in or crushed in collapsing materials	126	117	109	108	108	100	80
Excavation or trenching cave-in	48	41	44	28	30	27	22
Other cave-in	-	-	5	10	19	-	-
Caught in or crushed in collapsing structure	44	39	27	43	30	43	22
<b>Fall</b>	696	822	770	827	847	700	645
Fall to lower level	604	738	664	738	746	593	538
Fall down stairs or steps	18	27	17	21	28	26	25
Fall from floor, dock, or ground level	41	41	42	52	51	43	31
Fall through existing floor opening	24	22	26	27	32	19	11
Fall through floor surface	4	3	3	7	7	3	4
Fall from loading dock	-	6	3	3	3	4	3
Fall from ground level to lower level	6	4	6	8	-	12	5
Fall from ladder	114	135	129	132	135	119	127
Fall from piled or stacked material	-	6	-	3	-	-	-
Fall from roof	128	180	160	185	163	123	109
Fall through existing roof opening	10	16	17	13	19	8	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Fall through roof surface	9	14	12	15	16	19	7
Fall through skylight	18	29	19	37	24	22	19
Fall from roof edge	67	71	65	83	73	50	56
Fall from scaffold, staging	85	90	82	91	89	68	54
Fall from building girders or other structural steel	29	25	25	33	39	38	19
Fall from nonmoving vehicle	69	84	75	77	94	89	77
Jump to lower level	5	-	4	-	4	3	-
Fall on same level	71	61	84	67	81	92	93
Fall to floor, walkway, or other surface	60	49	66	52	76	73	79
Fall onto or against objects	10	7	12	11	4	14	9
<b>Bodily reaction and exertion</b>	12	8	11	14	24	12	8
Bodily reaction	4	6	4	4	11	6	4
Bending, climbing, crawling, reaching, twisting	-	-	-	-	3	-	-
Slip, trip, loss of balance--without fall	-	-	-	3	3	-	-
Overexertion	5	-	6	10	13	5	4
Overexertion in lifting	-	-	4	6	10	4	-
<b>Exposure to harmful substances or environments</b>	486	464	501	547	497	439	404
Contact with electric current	246	254	251	250	212	192	170
Contact with electric current of machine, tool, appliance, or light fixture	51	38	47	47	43	32	34
Contact with wiring, transformers, or other electrical components	69	62	75	79	59	45	60
Contact with overhead power lines	107	124	112	109	94	102	63
Contact with underground, buried power lines	-	6	-	-	-	3	-
Struck by lightning	8	11	9	9	10	8	4
Contact with temperature extremes	42	27	55	56	40	37	41

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Exposure to environmental heat	29	18	47	44	32	27	35
Exposure to environmental cold	3	-	3	-	-	3	-
Contact with hot objects or substances	10	8	5	11	7	7	5
Exposure to air pressure change	3	-	-	4	-	-	-
Pressure changes underwater	-	-	-	4	-	-	-
Exposure to caustic, noxious, or allergenic substances	122	116	136	165	161	130	129
Inhalation of substance	65	52	66	59	64	56	45
Inhalation in enclosed, restricted, or confined space <sup>14</sup>	27	13	21	15	32	17	14
Inhalation in open or nonconfined space	32	32	45	38	32	35	30
Contact with skin or other exposed tissue	3	-	-	-	6	-	-
Injections, stings, venomous bites	14	19	21	23	23	15	25
Needle sticks	5	4	-	-	4	-	-
Bee, wasp, hornet sting	4	7	11	5	7	6	7
Other stings or venomous bites	-	-	-	4	3	-	3
Ingestion of substance	33	31	34	56	42	36	39
Oxygen deficiency, n.e.c.	73	65	59	68	82	79	62
Drowning, submersion	52	51	48	53	62	60	51
Choking on object or substance	10	5	8	11	9	9	7
Depletion of oxygen in other enclosed, restricted, or confined space <sup>14</sup>	7	9	-	4	8	8	-
<b>Transportation accidents</b>	<b>2,364</b>	<b>2,490</b>	<b>2,493</b>	<b>2,459</b>	<b>2,351</b>	<b>2,130</b>	<b>1,795</b>
Highway accident	1,353	1,398	1,437	1,356	1,414	1,215	985
Collision between vehicles, mobile equipment	648	702	718	657	687	597	466
Re-entrant collision	6	14	8	8	7	9	10
Moving in same direction	135	147	175	155	164	156	117

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Moving in opposite directions, oncoming	269	276	265	239	281	202	184
Moving in intersection	124	145	134	140	125	130	82
Moving and standing vehicle, mobile equipment--in roadway	37	48	69	52	56	58	46
Moving and standing vehicle, mobile equipment--side of road	26	26	24	23	18	24	15
Vehicle struck object in roadway	17	27	27	19	33	11	16
Vehicle struck object on side of road	327	316	345	345	368	323	255
Noncollision accident	321	323	318	303	308	275	240
Jack-knifed or overturned--no collision	252	262	273	254	271	239	202
Ran off highway--no collision	35	19	14	14	23	15	17
Struck by shifting load	-	4	-	3	-	3	-
Sudden start or stop, n.e.c.	3	6	-	-	-	-	-
Nonhighway accident, except rail, air, water	347	338	340	345	296	284	261
Collision between vehicles or mobile equipment	11	14	9	11	9	10	11
Vehicle, mobile equipment struck stationary object	39	40	38	42	35	35	28
Noncollision accident	289	274	281	283	246	235	214
Fall from moving vehicle, mobile equipment	18	16	25	30	22	20	16
Fell from and struck by vehicle, mobile equipment	54	59	54	61	42	53	44
Overtaken	186	184	182	165	166	151	133
Loss of control	-	-	4	8	-	-	3
Struck by shifting load	-	-	-	-	3	3	3
Sudden start or stop, n.e.c.	4	-	5	-	-	-	3
Pedestrian struck by vehicle, mobile equipment	337	378	391	379	345	329	268



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Pedestrian struck by vehicle, mobile equipment in roadway	122	133	140	138	105	109	92
Pedestrian struck by vehicle, mobile equipment on side of road	68	63	72	80	70	56	53
Pedestrian struck by vehicle, mobile equipment in parking lot or non-roadway	145	176	176	155	164	160	121
Railway accident	43	50	83	65	49	34	34
Collision between railway vehicles	-	6	12	3	5	4	4
Collision between railway vehicle and other vehicle	35	35	59	54	42	25	26
Fell from and struck by railway vehicle	3	3	3	4	-	3	3
Water vehicle accident	69	91	88	96	71	76	86
Collision	-	8	5	7	6	3	10
Explosion, fire, n.e.c.	9	21	3	6	-	-	-
Fall from ship, boat, n.e.c.	25	32	33	38	30	29	38
Fall on ship, boat	-	-	-	4	-	7	4
Sinking, capsized water vehicle	20	22	41	38	29	30	29
Aircraft accident	211	231	149	217	174	191	159
During takeoff or landing	71	63	55	91	53	69	54
<b>Fire or explosion</b>	198	159	159	202	152	174	113
Fire	123	84	93	102	77	94	53
Fire in residence, building, or other structure	79	44	57	60	48	49	30
Forest, brush, or other outdoor fire	9	7	10	11	6	9	5
Ignition of clothing from controlled heat source	-	-	-	-	-	5	5
Explosion	75	75	65	99	75	80	60
Explosion of pressure vessel or piping	37	49	36	44	45	34	29
<b>Assaults and violent acts</b>	902	809	792	788	864	816	837

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Assaults and violent acts by person(s)	632	559	567	540	628	526	542
Hitting, kicking, beating	50	32	37	33	44	33	26
Shooting	487	421	441	436	503	421	434
Stabbing	58	68	60	39	45	33	49
Self-inflicted injury	218	206	180	208	196	263	263
Suicide, attempted suicide	213	201	169	201	196	261	263
Self-inflicted injury or fatality--intent unknown	5	5	11	7	-	-	-
Assaults by animals	48	40	42	36	36	25	30
<b>Primary source<sup>15</sup></b>							
<b>Chemicals and chemical products</b>	152	129	160	201	161	143	139
Acids	-	4	4	-	5	-	-
Alkalies	-	-	3	5	4	-	3
Sodium and potassium hydroxide, potassium carbonate	-	-	-	-	4	-	-
Aromatics and hydrocarbon derivatives, except halogenated	4	4	-	-	-	4	-
Alcohol	-	3	-	-	-	-	-
Halogens and halogen compounds	3	5	9	6	5	5	5
Chlorine compounds	-	-	8	5	3	3	-
Fluorine compounds	-	5	-	-	-	-	3
Fluorotrichloromethane	-	4	-	-	-	-	-
Metallic particulates, trace elements, dusts, powders, fumes	-	-	-	4	-	-	-
Agricultural chemicals and other pesticides	-	-	-	-	-	-	-
Chemical products	71	63	69	105	86	75	75
Cleaning and polishing agents	-	-	-	3	-	-	-
Drugs and medicines	58	58	59	94	79	72	72

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Drugs--nonmedicinal	32	31	37	61	43	34	31
Medicines	13	13	11	15	21	22	20
Multiple drugs, medicines	6	8	8	11	11	13	9
Explosives, blasting agents	7	-	3	-	-	-	-
Pyrotechnics, fireworks	7	-	-	-	-	-	-
Paint, lacquer, shellac, varnish	-	-	-	-	5	-	-
Multiple paint, lacquer, shellac, or varnishes	-	-	-	-	5	-	-
Coal, natural gas, petroleum fuels and products	8	7	3	4	5	6	3
Natural gas	-	-	-	-	-	-	-
Petroleum fuels, distillates, products	4	4	-	-	3	5	-
Gasoline, diesel fuel, jet fuel	4	3	-	-	3	3	-
Other chemicals	61	42	69	73	52	46	49
Ammonia and ammonium compounds	-	-	-	-	4	-	5
Ammonia, anhydrous ammonia	-	-	-	-	3	-	5
Cryogenic gases	-	-	-	-	-	-	-
Liquid helium	-	-	-	-	-	-	-
Cyanide and cyanide compounds	3	-	-	-	-	-	-
Oxygen and oxygen compounds	36	29	47	54	32	29	28
Carbon monoxide	32	26	40	50	27	26	21
Nitrogen oxides	3	-	4	4	3	-	6
Sewer gas, mine gas	6	3	10	3	-	-	-
Methane gas	-	3	6	-	-	-	-
Sulfur and sulfur compounds	4	-	5	7	13	7	6
Hydrogen sulfide	3	-	5	7	13	6	6
Multiple chemicals or chemical mixtures	4	-	-	-	-	-	-
<b>Containers</b>	77	80	81	94	77	75	77
Containers--nonpressurized	41	39	36	48	35	38	39
Bags, sacks, totes	4	3	-	-	3	4	5

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Barrels, kegs, drums	4	6	-	3	-	-	-
Boxes, crates, cartons	7	8	6	12	9	5	6
Buckets, baskets, pails	-	-	-	-	3	-	-
Tanks, bins, vats	22	16	19	28	13	26	27
Containers--pressurized	14	17	13	13	17	16	9
Boilers	-	4	3	-	-	-	-
Hoses	-	-	5	-	4	5	5
Pressure lines, except hoses	-	3	-	3	-	4	-
Propane tanks	-	4	3	-	-	-	-
Containers--variable restraint	17	19	25	24	19	19	25
Bundles, bales	11	11	19	20	15	14	20
Reels, rolls	6	8	5	4	4	5	4
Skids, pallets	3	3	7	7	6	-	3
<b>Furniture and fixtures</b>	18	16	18	29	18	24	29
Cases, cabinets, racks, shelves	-	5	3	9	6	5	6
Cabinets, cases--display, storage	-	-	-	3	-	-	-
Garment racks, other racks	-	-	-	-	-	-	3
Furniture	4	3	4	5	3	6	4
Tables, worktables	-	3	3	-	-	-	-
Other fixtures	12	8	10	14	9	13	18
Lighting equipment	11	8	7	11	9	12	15
Plumbing fixtures	-	-	-	-	-	-	3
<b>Machinery</b>	434	475	458	491	415	381	332
Agricultural and garden machinery	60	63	65	78	63	71	63
Harvesting and threshing machinery	13	14	13	29	12	20	18
Balers	-	6	-	8	-	11	10
Combines	8	-	7	5	3	3	3
Harvesters, reapers	-	3	3	5	3	4	4
Mowing machinery	25	36	31	27	35	32	31

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Lawn mowers--riding	10	20	15	21	21	18	23
Mowers--tractor	15	12	13	6	13	13	7
Plowing, planting, and fertilizing machinery	5	5	8	8	6	5	7
Plowing and cultivating machinery	3	-	-	4	-	3	-
Seed planting machinery	-	-	-	-	-	-	3
Spreading machinery--agricultural	-	-	4	-	-	-	-
Other agricultural and garden machinery	15	8	10	13	8	13	6
Feed grinders, crushers, mixers--agricultural	5	4	3	4	-	5	3
Spraying and dusting machinery--agricultural	-	-	-	3	-	-	-
Construction, logging, and mining machinery	175	202	201	215	154	135	131
Excavating machinery	64	57	74	84	48	50	39
Backhoes	32	32	27	33	28	16	13
Bulldozers	17	13	33	34	14	21	15
Trenchers	5	-	-	4	3	-	-
Loaders	53	57	48	51	55	48	44
Bucket loaders	8	9	10	11	13	10	9
End loaders	-	-	-	-	4	-	3
Front end loaders	32	35	26	32	29	29	19
Logging and wood processing machinery--specialized	18	26	16	22	10	15	13
Chippers	3	7	4	5	3	3	8
Log loaders, including heel boom	3	4	-	-	4	-	-
Forwarder/yarder	-	3	6	7	-	-	-
Skidder--cable and grapple	5	5	-	5	3	8	3
Mining and drilling machinery	10	11	14	14	12	7	8
Drilling machines, drilling augers	9	7	9	8	9	5	6
Road grading and surfacing machinery	15	40	36	32	23	10	18
Graders, levellers, planers, scrapers	9	20	16	13	9	5	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Steam rollers, road pavers	3	14	17	14	12	4	8
Other construction, logging, and mining machinery	13	11	13	11	6	3	6
Agitators, mixers--earth, mineral	-	4	5	-	3	-	-
Compactors, crushers, pulverizers--earth, mineral	5	4	4	7	-	3	-
Heating, cooling, and cleaning machinery and appliances	19	15	20	15	19	11	14
Cooling and humidifying machinery and appliances	6	9	10	10	5	6	7
Air conditioning units	3	6	9	8	-	3	5
Refrigerators, freezers, ice makers	-	-	-	-	-	3	-
Heating and cooking machinery and appliances	5	-	5	4	6	4	4
Furnaces, heaters	4	-	-	-	5	-	-
Washers, dryers, and cleaning machinery and appliances	6	-	4	-	8	-	3
Material handling machinery	100	122	95	101	100	115	71
Conveyors--gravity	4	-	-	-	-	-	-
Conveyors--powered	20	32	20	27	17	19	18
Conveyors--belt	7	15	10	9	6	6	4
Conveyors--chain	-	-	-	-	3	-	-
Conveyors--screw, auger	6	10	7	8	-	8	8
Cranes	34	39	43	28	30	45	23
Cranes--gantry	-	5	-	-	-	-	3
Cranes--mobile, truck, rail mounted	14	16	15	15	16	21	9
Cranes--overhead	3	8	5	5	-	3	3
Cranes--portal, tower, pillar	-	-	-	-	-	8	-
Overhead hoists	3	5	-	3	-	-	3
Overhead hoists--electric powered	3	3	-	-	-	-	-
Derricks	4	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Derricks--guy	3	-	-	-	-	-	-
Elevators, aerial lifts	28	34	25	32	42	42	24
Bucket or basket hoist--truck mounted	10	10	8	13	17	15	8
Elevators--electric	-	4	3	5	-	5	-
Elevators--hydraulic	-	5	-	-	-	-	-
Manlifts	11	11	11	10	15	17	8
Jacks	4	3	-	-	-	-	-
Jacks--hydraulic	3	-	-	-	-	-	-
Other material handling machinery	3	5	4	7	3	5	-
Winders, unwinders	-	-	-	4	-	3	-
Metal, woodworking, and special material machinery	36	31	33	38	34	21	24
Bending, rolling, shaping machinery	3	-	-	5	3	-	3
Rolling mills, rolling, calendering machinery	-	-	-	-	-	-	-
Boring, drilling, planing, milling machinery	3	3	4	-	4	-	-
Milling machines	-	-	3	-	-	-	-
Extruding, injecting, forming, molding machinery	8	14	8	7	8	4	6
Casting machinery	3	-	-	-	3	-	-
Forging machinery	-	4	-	-	-	-	-
Plastic injection molding machinery	-	3	3	3	-	-	-
Grinding, polishing machinery	-	-	-	-	3	-	-
Lathes	-	-	3	5	4	-	3
Metalworking lathes	-	-	3	3	-	-	-
Presses, except printing	7	3	9	9	3	-	4
Assembly presses	-	-	-	4	-	-	-
Sawing machinery--stationary	5	-	-	-	3	-	-
Other metal, woodworking, and special material machinery	8	3	6	7	5	4	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Spot welding machinery	6	-	-	3	4	-	3
Special process machinery	22	28	23	30	25	17	14
Food and beverage processing machinery--specialized	5	-	-	5	5	-	-
Packaging, bottling, wrapping machinery	6	3	-	3	-	4	-
Packaging, wrapping, bundling machinery	5	-	-	-	-	3	-
Paper production machinery	-	5	-	3	6	4	-
Printing machinery and equipment	-	3	4	3	-	-	-
Presses--printing	-	-	3	-	-	-	-
Textile, apparel, leather production machinery	-	-	-	-	-	3	-
Other special process machinery	8	13	14	14	11	5	7
Pumps	5	6	10	12	8	-	5
Miscellaneous machinery	20	12	15	13	17	11	13
Other machinery	17	9	13	10	15	7	12
Air compressors	3	-	-	-	-	-	-
Street sweeping and cleaning machinery	5	3	3	5	4	3	-
Trash compactors	3	-	3	-	4	-	4
<b>Parts and materials</b>	<b>356</b>	<b>397</b>	<b>380</b>	<b>386</b>	<b>379</b>	<b>338</b>	<b>321</b>
Building materials	113	127	140	124	114	98	82
Bricks, blocks, structural stone	17	22	27	26	11	8	17
Concrete blocks, cinder blocks	4	-	5	8	-	-	3
Structural stones or slabs, n.e.c.	11	17	20	12	7	4	10
Pipes, ducts, tubing	39	42	40	38	35	31	24
Concrete or clay pipes and conduits	9	-	3	3	3	-	3
Metal pipe, tubing	14	29	24	21	20	20	11
Pipe fittings	3	-	-	-	-	-	-
Plastic or rubber pipe and tubing	-	3	-	-	-	-	-
Structural metal materials	34	48	42	37	39	42	28



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Bars, rods, reinforcing bar (rebar)	4	5	6	4	10	3	4
Beams	12	26	18	19	13	17	12
Plates, metal panels	10	12	9	8	9	3	9
Sheet metal	-	-	-	-	-	5	-
Wood, lumber	16	10	20	14	18	12	9
Dimensional lumber: 2x4, 2x3, etc.	7	3	11	7	6	5	3
Plywood, wood paneling; particle, chip, flake board	6	5	3	-	5	-	-
Other building materials--solid elements	7	4	10	7	10	5	4
Glass, window panes	-	3	5	-	-	-	-
Gutters, downspouts	-	-	-	-	3	-	3
Wallboard, drywall	-	-	3	-	3	-	-
Fasteners, connectors, ropes, ties	62	56	54	64	72	76	80
Fasteners	3	4	6	7	7	7	5
Nails, brads, tacks	-	4	-	3	-	-	-
Ropes, ties, chains	54	47	47	53	62	67	70
Chains, n.e.c.	-	-	-	5	4	5	4
Rope, twine, string	29	18	19	26	25	40	40
Strapping	-	5	-	4	-	-	8
Wire--nonelectrical	-	3	-	-	-	-	-
Valves, nozzles	3	4	-	3	-	-	-
Hoisting accessories	3	5	-	3	4	3	-
Machine, tool, and electric parts	129	147	140	140	137	124	117
Electric parts	105	129	111	107	113	97	99
Electrical wiring	43	55	49	49	52	29	39
Generators	-	-	-	-	-	-	-
Motors	-	3	-	-	-	3	-
Power lines, transformers, convertors	45	50	34	40	38	36	29
Relays, rheostats, starters, controls	3	3	-	-	-	-	-
Switchboards, switches, fuses	4	5	16	11	5	9	6
Machine and appliance parts	20	13	26	29	22	23	17

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Drums, pulleys, sheaves	7	-	5	13	5	9	6
Tool parts, accessories	3	3	-	3	-	4	-
Metal materials--nonstructural	10	6	8	9	5	-	3
Metal sheets, ingots, bars--nonstructural	-	-	3	3	-	-	-
Molten or hot metals, slag	-	-	4	3	-	-	-
Vehicle and mobile equipment parts	35	48	33	41	44	33	35
Tires, inner tubes, wheels	18	21	17	14	19	10	12
Tires, except bike	7	4	10	8	8	6	6
Wheels, tire rims	9	11	4	6	10	4	4
Engine parts and accessories	-	-	-	4	-	4	3
Transmission	-	-	-	-	-	3	-
Trailers	11	13	8	11	10	7	12
<b>Persons, Plants, Animals, and Minerals</b>	<b>306</b>	<b>295</b>	<b>292</b>	<b>258</b>	<b>266</b>	<b>257</b>	<b>193</b>
Animals	49	52	50	46	45	35	34
Insects, arachnids (spiders, ticks, scorpions, etc.)	5	9	13	9	11	7	9
Mammals	42	39	35	34	34	26	22
Cattle	24	17	25	20	22	14	11
Horses	11	19	6	9	9	10	10
Food products	29	22	28	25	24	15	24
Grains, grain mill products	16	15	21	12	11	6	14
Meat, poultry	3	-	-	-	-	-	-
Other food products--fresh or processed	-	-	-	3	-	-	4
Fats, oils	-	-	-	-	-	-	-
Infectious and parasitic agents	-	-	-	3	-	-	-
Nonmetallic minerals, except fuel	32	39	37	29	23	22	16
Boulders	-	7	-	-	-	-	3
Dirt, earth	21	25	28	16	12	9	5
Rocks, crushed stone	5	4	5	6	7	7	5
Sand, gravel	3	3	-	4	3	4	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Person--injured or ill worker	10	7	6	3	10	6	-
Bodily conditions of injured, ill worker	3	-	-	-	-	-	-
Bodily motion or position of injured, ill worker	6	5	5	3	10	6	-
Person--other than injured or ill worker	36	38	38	29	39	28	23
Co-worker, former co-worker of injured or ill worker	8	7	10	6	7	4	-
Health care patient or resident of health care facility	-	-	-	6	3	-	-
Robbers <sup>16</sup>	11	9	5	9	8	6	7
Plants, trees, vegetation	148	134	132	123	122	149	93
Cash grain crops	6	-	3	-	4	9	6
Trees, logs	142	132	128	119	117	139	87
<b>Structures and surfaces</b>	802	880	848	904	955	788	713
Floors, walkways, ground surfaces	676	786	753	789	823	677	612
Floor	223	263	249	271	307	247	192
Floor of building	202	244	225	252	283	222	175
Floor of mine	-	-	-	-	4	-	-
Floor of scaffold, staging, or temporary work platform	-	-	-	3	3	-	-
Floor of vehicle	-	-	-	-	-	4	4
Ground	262	327	311	325	295	238	220
Sidewalks, paths, outdoor walkways	30	36	40	45	42	40	48
Stairs, steps	8	12	7	13	13	15	14
Stairs, steps--indoors	-	6	-	6	7	8	6
Stairs, steps--outdoors	4	5	4	5	4	4	6
Street, road	19	24	21	30	27	23	31
Surfaces below ground level	26	16	19	18	23	22	19

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ditches, channels, trenches, excavations	24	16	17	13	23	22	15
Parking lots	29	28	26	28	41	35	29
Other floors, walkways, ground surfaces	12	16	19	14	19	17	24
Ramps, runways, loading docks	5	6	7	-	6	7	7
Other structural elements	59	36	43	55	55	48	48
Doors	8	-	6	6	6	-	11
Fences, fence panels	4	-	4	4	3	4	6
Gates	8	4	4	6	4	7	5
Roof	12	7	5	5	12	8	7
Roof trusses	3	3	5	4	3	-	-
Walls	16	13	17	21	17	20	9
Structures	58	53	49	54	73	59	47
Bridges, dams, locks	-	-	4	-	-	-	-
Buildings--office, plant, residential	22	17	15	17	18	23	15
Mines, caves, tunnels	-	6	9	13	15	3	3
Mines, mine tunnels	-	-	5	11	15	-	-
Sewers, manholes, storm drains	-	4	4	-	-	-	-
Pools	-	-	-	-	-	3	-
Scaffolds--staging	12	7	7	8	9	8	5
Scaffolds--selfsupporting staging	-	-	-	-	-	4	-
Scaffolds--staging supported by structure or other means	-	-	-	3	-	-	-
Towers, poles	14	14	9	10	23	16	19
Other structures	5	6	5	5	6	5	-
Guardrails, road dividers	-	-	-	-	4	-	-
<b>Tools, instruments, and equipment</b>	<b>116</b>	<b>140</b>	<b>128</b>	<b>121</b>	<b>106</b>	<b>102</b>	<b>97</b>
Handtools--nonpowered	74	88	81	75	71	58	68
Cutting handtools--nonpowered	59	72	69	49	55	50	54
Knives	49	62	56	38	49	40	48

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Saws	-	-	-	3	-	3	-
Digging handtools--nonpowered	-	-	-	-	5	-	-
Shovels	-	-	-	-	5	-	-
Gripping handtools--nonpowered	-	-	3	-	-	-	-
Striking handtools--nonpowered	5	-	3	7	3	-	-
Hammers	3	-	-	3	-	-	-
Turning handtools--nonpowered	-	5	3	3	-	-	6
Screwdrivers	-	-	-	-	-	-	4
Wrenches	-	4	3	-	-	-	-
Other handtools--nonpowered	7	-	-	10	3	-	5
Handtools--powered	11	18	18	19	17	18	10
Boring handtools--powered	-	5	-	4	4	3	-
Augers--powered	-	4	-	-	3	-	-
Drills--powered	-	-	-	-	-	3	-
Cutting handtools--powered	5	10	8	10	11	8	7
Chainsaws--powered	3	4	3	-	-	4	5
Saws--powered, except chainsaws	-	6	-	5	6	4	-
Welding and heating handtools--powered	-	-	4	-	-	4	-
Other handtools--powered	-	-	-	3	-	-	-
Handtools--power not determined	-	4	-	3	-	-	-
Cutting handtools--power not determined	-	4	-	-	-	-	-
Turning handtools--power not determined	-	-	-	3	-	-	-
Ladders	14	17	11	14	15	14	7
Movable ladders	14	12	11	13	12	12	7
Extension ladders	10	8	6	8	8	7	3
Protective equipment, except clothing	-	-	3	-	-	-	-
Lifelines, lanyards, safety belts or harnesses	-	-	3	-	-	-	-
Recreation and athletic equipment	6	5	7	5	-	5	6
Gymnasium and exercise equipment	-	-	-	-	-	-	3
Other tools, instruments, and equipment	3	4	5	3	-	5	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Firearm	-	-	-	3	-	3	-
<b>Vehicle</b>	2,418	2,583	2,599	2,513	2,420	2,253	1,867
Aircraft	213	232	151	222	179	196	159
Aircraft--powered fixed wing	127	159	108	166	130	129	103
Jet	11	39	20	39	18	28	27
Propeller-driven aircraft	96	103	82	109	99	90	69
Aircraft--rotary wing	64	65	36	42	49	57	46
Helicopter	62	65	36	42	49	57	46
Aircraft--nonpowered	6	-	5	7	-	7	10
Parachute	4	-	4	6	-	7	9
Highway vehicle	1,740	1,842	1,935	1,824	1,827	1,617	1,300
Automobile	361	374	347	324	309	269	242
Bus	17	22	29	22	34	18	15
Motorcycle, moped	25	31	21	39	25	34	18
Motor home, recreational vehicle	-	3	-	-	-	-	-
Truck	1,157	1,239	1,368	1,283	1,280	1,183	931
Delivery truck	59	54	64	62	62	53	56
Dump truck	91	117	120	106	92	104	74
Pickup truck	232	256	290	262	261	247	236
Semitrailer, tractor trailer, trailer truck	515	569	580	561	611	530	379
Van--passenger or light delivery	130	124	133	105	136	98	87
Highway vehicle, nonmotorized	5	-	8	9	4	8	9
Animal or human powered vehicle	5	-	8	9	4	7	9
Horse drawn carriage	-	-	-	-	-	-	7
Bicycle	4	-	5	7	-	3	-
Offroad vehicle, nonindustrial	26	46	49	56	53	39	46
All terrain vehicle (ATV)	21	36	37	41	43	30	38
Golf cart, powered	3	4	8	8	7	3	7
Plant and industrial powered vehicles	335	312	316	272	251	270	237

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Forklift	89	92	94	81	78	68	58
Counterbalance rider--high lift	-	3	-	-	-	-	-
Hand/rider forklift truck--motorized	6	5	5	5	-	3	3
Order picker high lift truck	3	-	-	3	3	3	3
Pallet lift truck--motorized	4	6	3	4	5	5	-
Platform lift truck--high or low lift	-	5	-	-	-	-	-
Reach rider lift truck	-	3	-	-	-	-	-
Powered industrial carrier	-	10	-	7	6	11	3
Tractor	240	201	218	180	163	189	176
Plant and industrial vehicle--nonpowered	-	-	3	-	4	3	-
Cart, dolly, handtruck	-	-	3	-	-	3	-
Rail vehicle	25	44	37	28	23	38	21
Amusement park rail vehicle	-	3	-	-	-	-	-
Train	18	34	29	19	16	32	17
Water vehicle	69	95	93	96	78	81	89
Barge	9	13	14	14	17	7	9
Canoe, kayak, rowboat, raft	5	-	-	6	3	4	-
Motorboat, yachts	4	12	4	14	9	9	10
Sailboat, sailing ship	-	-	-	-	-	3	-
Ships--other than sail powered	8	31	6	13	7	12	9
Tugboat, commercial fishing boat	39	32	53	44	33	43	56
<b>Other Sources</b>	882	756	757	821	842	828	768
Ammunition	617	537	535	562	612	571	577
Bullets	605	521	514	540	590	539	557
Explosive devices	-	-	-	-	3	4	-
Pellets	7	13	16	15	14	25	19
Apparel and textiles	5	4	5	6	7	4	11
Clothing	5	3	5	5	7	3	10
Belts, gloves, neckties, scarves	3	-	3	3	-	-	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Blouses, shirts, dresses, trousers, skirts	-	-	-	-	-	-	5
Atmospheric and environmental conditions	175	132	155	166	138	167	110
Air pressure	-	-	-	6	-	-	-
Low pressure	-	-	-	3	-	-	-
Fire, flame, smoke	127	90	94	103	84	117	63
Fire, flame	93	71	79	82	65	92	44
Smoke, fire gases	30	15	11	19	14	15	14
Temperature extremes--environmental	30	19	50	44	33	30	36
Cold--environmental	3	-	3	-	-	3	-
Heat--environmental	27	18	47	44	32	27	35
Weather and atmospheric conditions	8	14	9	10	10	11	6
Ice, sleet, snow	-	4	-	-	-	3	-
Lightning	8	10	9	9	10	8	4
Other environmental conditions	6	9	-	-	9	8	-
Scrap, waste, debris	6	8	7	13	6	12	8
Chips, particles, splinters	-	4	-	4	-	5	3
Metal chips, particles	-	-	-	-	-	3	-
Sewage	-	-	-	3	-	-	-
Trash, garbage	-	-	-	-	-	-	-
Steam, vapors, liquids, n.e.c.	71	65	52	62	70	66	57
Steam, vapors--nonchemical	12	5	-	3	5	3	-
Liquids	59	60	52	59	65	63	55
Water	58	60	51	58	61	60	55
<b>Secondary source<sup>17</sup></b>							
<b>Chemicals and chemical products</b>	95	98	82	106	59	80	48
Aromatics and hydrocarbon derivatives, except halogenated	4	26	22	4	-	8	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Alcohol	-	24	5	-	-	-	-
Ethanol	-	23	-	-	-	-	-
Aromatics and hydrocarbon derivatives, except halogenated, n.e.c.	-	-	15	-	-	-	-
Nitro hydrocarbons	-	-	15	-	-	-	-
Metallic particulates, trace elements, dusts, powders, fumes	3	-	-	-	3	-	-
Other metallics and compounds	-	-	-	-	-	-	-
Chemical products	27	14	20	18	8	11	13
Drugs and medicines	-	-	5	3	-	-	-
Drugs--nonmedicinal	-	-	3	-	-	-	-
Explosives, blasting agents	13	6	5	4	-	-	6
Pyrotechnics, fireworks	11	-	-	-	-	-	5
Paint, lacquer, shellac, varnish	6	4	4	-	4	4	-
Solvents, degreasers	5	-	6	6	-	-	4
Naphtha solvents	-	-	-	-	-	-	-
Paint removers, thinners	3	-	4	5	-	-	-
Coal, natural gas, petroleum fuels and products	36	35	27	54	38	47	25
Natural gas	4	8	4	14	6	14	8
Petroleum, crude oil	3	-	4	-	-	6	-
Petroleum fuels, distillates, products	26	24	18	34	29	27	16
Gasoline, diesel fuel, jet fuel	14	14	11	16	13	17	13
Lubricating greases, cutting oils	-	-	-	3	-	-	-
Propane	4	6	4	10	10	3	-
Other chemicals	23	19	10	24	6	10	6
Oxygen and oxygen compounds	-	4	-	-	-	3	-
Carbon monoxide	-	-	-	-	-	-	-
Nitrogen oxides	-	-	-	-	-	-	-
Plastics	15	7	4	-	-	-	-
Resins	7	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Vinyl chloride, polyvinyl chloride	-	5	-	-	-	-	-
Sewer gas, mine gas	-	-	-	17	-	-	-
Methane gas	-	-	-	17	-	-	-
Multiple chemicals or chemical mixtures	5	-	-	-	-	-	-
<b>Containers</b>	95	100	90	82	93	74	80
Containers--nonpressurized	54	58	59	53	55	49	59
Bags, sacks, totes	-	3	-	-	-	-	4
Barrels, kegs, drums	-	7	-	-	4	-	-
Boxes, crates, cartons	4	4	-	8	-	4	7
Tanks, bins, vats	47	39	50	39	45	43	43
Containers--pressurized	29	19	12	20	21	14	9
Boilers	11	-	-	5	-	3	-
Hoses	6	3	3	5	6	3	-
Pressure lines, except hoses	8	9	4	8	8	3	-
Containers--variable restraint	7	13	12	7	10	7	6
Bundles, bales	4	11	10	5	8	5	3
Reels, rolls	3	-	-	-	-	-	3
Skids, pallets	5	9	5	-	6	3	4
<b>Furniture and fixtures</b>	23	31	24	24	17	18	22
Cases, cabinets, racks, shelves	9	13	9	11	6	5	12
Garment racks, other racks	-	-	-	3	-	3	4
Shelving	3	4	5	6	-	-	-
Floor, wall, window coverings	3	-	-	-	-	-	-
Floor coverings, nonstructural	3	-	-	-	-	-	-
Furniture	8	10	10	10	8	8	6
Benches, workbenches, saw horses	-	-	-	3	-	-	-
Chairs	7	5	5	5	7	5	3
Tables, worktables	-	4	3	-	-	-	-
Other fixtures	3	8	4	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Lighting equipment	3	7	4	-	-	-	-
Light bulbs	-	3	-	-	-	-	-
<b>Machinery</b>	209	282	250	277	253	223	205
Agricultural and garden machinery	18	19	27	16	17	11	20
Harvesting and threshing machinery	-	-	6	-	5	-	5
Combines	-	-	-	-	3	-	-
Mowing machinery	11	5	13	7	7	4	3
Mowers--tractor	7	-	8	4	4	3	3
Plowing, planting, and fertilizing machinery	6	10	3	4	4	3	7
Plowing and cultivating machinery	4	3	-	-	-	3	6
Seed planting machinery	-	4	-	-	-	-	-
Spreading machinery--agricultural	-	3	-	-	-	-	-
Other agricultural and garden machinery	-	-	4	3	-	-	5
Construction, logging, and mining machinery	48	49	52	58	62	31	32
Excavating machinery	21	21	15	23	24	11	13
Backhoes	12	9	6	11	10	3	8
Bulldozers	4	6	-	6	3	3	-
Trenchers	-	-	3	-	-	-	-
Loaders	13	15	17	17	19	10	13
Bucket loaders	-	-	3	-	-	-	-
Front end loaders	7	5	12	9	12	4	5
Logging and wood processing machinery--specialized	9	5	10	8	9	-	3
Chippers	-	-	4	-	3	-	-
Log loaders, including heel boom	4	-	-	3	-	-	-
Forwarder/yarder	-	-	4	-	-	-	-
Mining and drilling machinery	-	4	5	5	6	3	-
Drilling machines, drilling augers	-	-	3	-	3	-	-
Road grading and surfacing machinery	3	-	4	3	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other construction, logging, and mining machinery	-	-	-	-	-	-	-
Heating, cooling, and cleaning machinery and appliances	8	21	8	19	13	15	15
Cooling and humidifying machinery and appliances	-	7	-	5	5	7	5
Air conditioning units	-	-	-	5	-	-	-
Refrigerators, freezers, ice makers	-	4	-	-	4	-	-
Heating and cooking machinery and appliances	5	13	5	7	7	7	9
Furnaces, heaters	4	10	5	6	5	5	5
Ranges, cooking ovens, grills, toasters, food warmers	-	-	-	-	-	-	-
Washers, dryers, and cleaning machinery and appliances	-	-	-	6	-	-	-
Material handling machinery	107	162	122	149	133	136	105
Conveyors--powered	6	6	4	13	16	5	-
Conveyors--belt	-	3	-	5	5	3	-
Conveyors--screw, auger	3	-	-	3	-	-	-
Cranes	25	47	39	45	37	48	29
Cranes--gantry	-	-	-	-	-	4	-
Cranes--mobile, truck, rail mounted	5	8	10	11	9	11	4
Cranes--overhead	-	9	6	14	7	10	4
Cranes--portal, tower, pillar	-	5	-	-	-	5	-
Overhead hoists	-	5	6	10	7	-	4
Derricks	6	-	-	-	-	-	-
Derricks--guy	6	-	-	-	-	-	-
Elevators, aerial lifts	38	51	36	41	47	49	32
Bucket or basket hoist--truck mounted	19	23	14	17	20	27	10
Elevators--electric	-	-	-	7	6	4	-
Manlifts	14	20	15	14	13	13	14

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Jacks	29	50	34	32	19	30	32
Jacks--hydraulic	6	12	7	-	5	7	4
Jacks--mechanical	4	3	9	4	-	4	11
Other material handling machinery	-	-	-	4	-	-	4
Metal, woodworking, and special material machinery	11	18	23	16	12	10	17
Boring, drilling, planing, milling machinery	-	-	3	-	-	-	-
Extruding, injecting, forming, molding machinery	3	4	4	-	-	3	-
Forging machinery	-	-	3	-	-	-	-
Grinding, polishing machinery	-	3	-	-	-	4	-
Lathes	-	-	-	5	-	-	8
Metalworking lathes	-	-	-	3	-	-	8
Presses, except printing	-	4	3	-	-	-	-
Sawing machinery--stationary	-	-	5	6	4	-	3
Table saws	-	-	3	-	-	-	-
Other metal, woodworking, and special material machinery	-	-	4	-	3	-	-
Spot welding machinery	-	-	3	-	-	-	-
Special process machinery	10	6	9	9	6	10	5
Other special process machinery	8	5	6	6	5	8	-
Pumps	7	-	4	4	4	7	-
Miscellaneous machinery	7	7	8	8	9	8	11
Other machinery	5	7	8	8	7	7	9
Air compressors	3	-	4	6	6	4	7
Trash compactors	-	4	-	-	-	-	-
<b>Parts and materials</b>	250	275	277	292	230	219	153
Building materials	58	63	56	66	48	52	25
Bricks, blocks, structural stone	5	8	5	5	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Concrete blocks, cinder blocks	4	4	-	3	-	-	-
Pipes, ducts, tubing	16	16	12	16	17	25	7
Concrete or clay pipes and conduits	-	3	-	-	-	3	-
Ducts	3	-	-	-	-	4	-
Metal pipe, tubing	5	6	3	10	6	13	3
Structural metal materials	23	24	26	22	17	17	9
Beams	16	18	16	17	13	5	3
Plates, metal panels	-	-	-	-	-	4	-
Rails	-	-	-	-	-	-	-
Sheet metal	-	-	-	-	-	3	-
Wood, lumber	8	13	7	15	11	9	7
Dimensional lumber: 2x4, 2x3, etc.	-	4	4	4	4	-	3
Plywood, wood paneling; particle, chip, flake board	-	-	-	7	-	-	-
Other building materials--solid elements	5	-	5	7	-	-	-
Fasteners, connectors, ropes, ties	23	34	35	35	17	16	24
Fasteners	-	5	-	5	3	-	-
Ropes, ties, chains	20	25	27	27	13	14	21
Chains, n.e.c.	4	6	12	5	4	5	4
Rope, twine, string	8	9	-	13	-	3	7
Strapping	3	-	3	-	-	4	-
Wire--nonelectrical	-	-	3	-	-	-	-
Valves, nozzles	-	-	5	-	-	-	-
Hoisting accessories	3	4	-	-	5	-	4
Machine, tool, and electric parts	128	144	137	148	101	108	73
Electric parts	120	136	129	141	99	101	72
Electrical wiring	14	16	10	12	4	5	7
Generators	8	5	7	9	8	3	4
Power lines, transformers, convertors	92	108	103	107	83	87	52
Switchboards, switches, fuses	3	-	5	5	-	-	-
Machine and appliance parts	8	8	8	7	-	7	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Drums, pulleys, sheaves	7	5	7	5	-	5	-
Tars, sealants, caulking, insulation	8	-	4	4	4	4	-
Asphalt, roofing tar	-	-	3	-	-	-	-
Foam caulking, foam insulation	8	-	-	-	-	-	-
Tarps and sheeting, nonmetal	-	-	-	-	-	-	4
Tarps; plastic, or fabric sheeting	-	-	-	-	-	-	4
Vehicle and mobile equipment parts	28	27	40	37	50	34	21
Tires, inner tubes, wheels	9	6	18	19	10	11	7
Tires, except bike	6	5	12	14	5	9	5
Wheels, tire rims	-	-	5	-	-	-	-
Trailers	16	17	20	15	36	21	12
<b>Persons, Plants, Animals, and Minerals</b>	<b>859</b>	<b>775</b>	<b>822</b>	<b>765</b>	<b>874</b>	<b>757</b>	<b>745</b>
Animals	20	26	26	22	21	13	20
Insects, arachnids (spiders, ticks, scorpions, etc.)	-	-	-	-	-	-	-
Mammals	19	25	23	20	21	13	20
Cattle	7	10	6	6	9	4	7
Horses	9	7	12	9	8	6	9
Food products	-	-	-	-	-	15	-
Other food products--fresh or processed	-	-	-	-	-	14	-
Sugar, cocoa, chocolate	-	-	-	-	-	14	-
Nonmetallic minerals, except fuel	15	17	19	12	14	12	15
Boulders	3	-	4	3	4	4	5
Dirt, earth	6	12	8	-	-	3	4
Rocks, crushed stone	3	3	4	6	5	5	5
Sand, gravel	3	-	3	-	4	-	-
Person--injured or ill worker	3	-	3	-	-	-	-
Person--other than injured or ill worker	601	530	541	527	599	503	526
Co-worker, former co-worker of injured or ill worker	73	56	47	69	57	62	72

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Health care patient or resident of health care facility	-	5	-	7	5	4	6
Relative of injured or ill worker	18	17	22	21	26	16	24
Robbers <sup>16</sup>	242	232	207	203	226	194	210
Student	-	-	5	-	7	-	4
Plants, trees, vegetation	217	201	230	202	235	214	183
Shrubs, grasses	-	-	4	-	-	3	-
Trees, logs	214	199	223	200	232	209	178
<b>Structures and surfaces</b>	798	922	856	916	813	700	562
Building system	-	-	-	-	5	-	-
Floors, walkways, ground surfaces	222	281	238	225	141	130	107
Floor	36	35	30	39	40	18	21
Floor of building	29	24	19	24	29	16	13
Floor of elevator	-	-	3	-	-	-	-
Floor of scaffold, staging, or temporary work platform	3	5	8	7	8	-	3
Ground	117	122	85	84	32	43	26
Sidewalks, paths, outdoor walkways	-	-	-	-	-	3	3
Stairs, steps	13	21	19	14	22	18	15
Stairs, steps--indoors	10	9	12	10	14	14	10
Stairs, steps--outdoors	-	7	3	-	3	3	5
Street, road	10	19	19	11	4	-	5
Surfaces below ground level	18	40	42	40	23	22	21
Ditches, channels, trenches, excavations	17	36	36	34	22	19	18
Parking lots	-	4	5	10	-	-	4
Other floors, walkways, ground surfaces	23	35	36	24	18	22	12
Piers, wharfs	-	4	-	3	3	-	-
Ramps, runways, loading docks	18	25	32	19	15	19	11



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other structural elements	202	246	233	286	245	207	176
Doors	4	4	3	6	-	7	5
Fences, fence panels	16	12	12	44	13	16	15
Gates	5	8	3	7	3	3	3
Roof	99	134	124	129	128	91	88
Roof trusses	7	3	8	12	7	4	6
Skylights	14	26	21	34	23	22	19
Walls	30	33	39	26	29	28	15
Windows	6	3	-	6	11	3	6
Structures	370	388	380	399	415	361	277
Bridges, dams, locks	42	31	35	30	43	34	22
Buildings--office, plant, residential	35	29	38	30	36	27	24
Mines, caves, tunnels	16	19	16	15	20	18	14
Mines, mine tunnels	-	-	-	-	-	9	3
Sewers, manholes, storm drains	14	16	15	11	13	7	10
Pools	3	8	8	10	7	9	9
Scaffolds--staging	77	86	78	86	83	68	55
Scaffolds--improvised staging	3	-	6	7	3	3	-
Scaffolds--selfsupporting staging	5	8	8	12	11	12	9
Scaffolds--staging supported by structure or other means	18	11	16	17	17	9	5
Scaffolds--suspended staging	-	5	6	7	6	10	9
Towers, poles	74	81	63	87	65	58	43
Other structures	121	132	136	139	160	145	109
Guardrails, road dividers	98	100	98	96	118	91	73
Wells	-	-	-	7	6	-	-
<b>Tools, instruments, and equipment</b>	231	245	237	233	222	197	202
Handtools--nonpowered	5	5	4	5	5	3	7
Other handtools--nonpowered	-	-	-	-	-	-	3
Crowbars	-	-	-	-	-	-	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Handtools--powered	39	33	31	16	21	17	19
Cutting handtools--powered	17	14	13	5	8	7	8
Chainsaws--powered	12	11	12	4	5	6	7
Saws--powered, except chainsaws	-	3	-	-	-	-	-
Striking handtools--powered	-	3	-	-	-	-	-
Jackhammers--powered	-	3	-	-	-	-	-
Surfacing handtools--powered	-	-	5	-	-	-	-
Welding and heating handtools--powered	15	9	9	5	3	6	6
Blow torches	4	3	6	-	-	-	4
Welding torches--powered	9	5	-	-	-	-	-
Other handtools--powered	3	4	-	3	8	3	3
Sprayers--paint	-	-	-	-	5	-	-
Handtools--power not determined	-	4	-	-	-	-	-
Cutting handtools--power not determined	-	4	-	-	-	-	-
Saws--power not determined	-	4	-	-	-	-	-
Ladders	116	137	131	132	127	121	118
Ladders--fixed	7	9	6	8	6	10	13
Movable ladders	77	87	85	70	82	74	81
Extension ladders	27	28	22	23	30	22	19
Step ladders	15	22	19	11	20	15	26
Straight ladders	3	-	4	3	-	-	-
Medical and surgical instruments	5	7	5	12	11	5	14
Needles and syringes	5	7	5	12	11	5	14
Protective equipment, except clothing	4	4	11	-	8	6	3
Lifelines, lanyards, safety belts or harnesses	4	3	8	-	8	6	3
Respirators	-	-	3	-	-	-	-
Recreation and athletic equipment	5	3	4	8	4	6	12
Snow skiing goods and equipment	-	-	-	-	-	5	-
Water sports equipment	-	-	-	3	3	-	8
Other tools, instruments, and equipment	54	52	50	56	44	39	28

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Firearm	52	52	48	54	43	38	25
Pistol, handgun, revolver	30	37	29	27	22	22	15
Rifle	4	-	3	6	6	4	6
Shotgun	5	4	5	9	5	6	-
<b>Vehicle</b>	924	1,001	1,085	974	957	879	719
Aircraft	11	11	7	6	10	13	18
Aircraft--powered fixed wing	6	8	6	5	4	6	9
Jet	-	4	3	-	-	-	-
Propeller-driven aircraft	4	-	-	5	3	-	7
Aircraft--rotary wing	-	-	-	-	-	5	9
Helicopter	-	-	-	-	-	5	9
Highway vehicle	811	854	892	812	813	751	596
Automobile	150	172	153	153	144	113	97
Bus	7	9	20	14	12	3	5
Motorcycle, moped	-	3	-	-	-	-	3
Motor home, recreational vehicle	-	-	3	-	-	-	-
Truck	583	610	649	579	613	601	461
Delivery truck	13	8	13	16	20	16	11
Dump truck	36	44	47	35	31	33	15
Pickup truck	118	134	106	98	127	102	107
Semitrailer, tractor trailer, trailer truck	301	304	355	302	315	324	231
Van--passenger or light delivery	31	24	32	33	20	18	26
Offroad vehicle, nonindustrial	3	-	-	4	3	-	-
Plant and industrial powered vehicles	44	76	80	68	61	60	54
Forklift	34	57	58	52	43	41	33
Hand/rider forklift truck--motorized	-	-	3	-	-	-	-
Order picker high lift truck	-	-	-	-	-	4	-
Pallet lift truck--motorized	-	-	-	4	-	-	-
Platform lift truck--high or low lift	-	5	-	5	-	3	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Tractor	8	17	20	13	16	17	19
Plant and industrial vehicle--nonpowered	-	4	3	-	4	6	4
Cart, dolly, handtruck	-	-	-	-	3	5	4
Rail vehicle	40	44	78	61	53	36	34
Train	37	40	77	56	49	31	31
Water vehicle	8	8	17	17	12	11	13
Barge	-	-	4	6	-	3	8
Motorboat, yachts	-	-	-	-	-	-	3
Ships--other than sail powered	3	6	5	4	3	6	-
Tugboat, commercial fishing boat	-	-	5	4	5	-	-
<b>Other Sources</b>	211	193	193	169	185	186	145
Apparel and textiles	35	29	24	26	25	30	26
Clothing	34	29	23	26	25	30	26
Belts, gloves, neckties, scarves	-	-	4	-	-	-	-
Blouses, shirts, dresses, trousers, skirts	7	10	9	6	11	13	11
Suits, coats, jackets	5	6	3	7	6	6	6
Atmospheric and environmental conditions	59	73	89	116	119	126	82
Fire, flame, smoke	5	10	10	3	-	10	-
Fire, flame	5	9	8	-	-	7	-
Flood	-	3	-	-	-	-	-
Temperature extremes--environmental	-	-	3	-	3	-	-
Heat--environmental	-	-	3	-	-	-	-
Weather and atmospheric conditions	51	58	74	109	112	115	76
Fog	-	5	4	12	-	4	7
High winds, gusts	11	12	8	24	21	23	15
Ice, sleet, snow	28	24	43	24	50	41	35
Rain	6	10	16	11	12	16	6
Tornado, hurricane, typhoon	-	-	-	4	6	7	-
Scrap, waste, debris	3	5	-	-	-	-	4

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Chips, particles, splinters	-	3	-	-	-	-	-
Steam, vapors, liquids, n.e.c.	112	86	78	25	37	24	29
Liquids	112	84	78	24	37	23	29
Water	109	82	76	22	36	23	28
<b>Not reported</b>	1,878	1,839	1,816	2,001	1,952	1,881	1,669
<b>Nature<sup>13</sup></b>							
<b>Traumatic injuries and disorders</b>	5,570	5,758	5,731	5,835	5,649	5,209	4,548
Traumatic injuries to bones, nerves, spinal cord	180	161	186	143	187	150	157
Dislocations	-	3	3	-	5	4	4
Fractures	48	39	42	39	52	38	50
Traumatic injuries to spinal cord	24	26	23	19	32	23	20
Multiple traumatic injuries to bones, nerves, spinal cord	100	82	108	79	96	81	80
Traumatic injuries to muscles, tendons, ligaments, joints, etc.	12	13	12	14	13	13	13
Sprains, strains, tears	10	11	12	14	12	11	11
Open wounds	724	673	644	662	711	647	668
Amputations	13	20	19	17	21	15	13
Amputations, except fingertip	11	17	17	15	19	15	9
Cuts, lacerations	16	30	12	23	21	17	18
Gunshot wounds	613	537	534	559	608	567	576
Punctures, except bites	74	79	73	59	54	46	59
Multiple open wounds	-	-	-	-	-	-	-
Surface wounds and bruises	4	3	5	4	-	5	5
Bruises, contusions	4	-	4	-	-	4	5
Burns	139	155	134	140	114	121	78

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Chemical burns	4	-	-	-	7	-	-
Electrical burns	-	5	-	3	-	3	3
Heat burns, scalds	134	143	129	134	105	115	72
Intracranial injuries	1,053	1,102	1,079	1,055	966	833	731
Cerebral hemorrhages	29	29	37	39	53	59	64
Multiple intracranial injuries	727	741	737	625	313	253	210
Effects of environmental conditions	36	19	55	56	35	41	40
Effects of reduced temperature	4	-	7	6	-	11	3
Hypothermia	3	-	7	6	-	11	3
Effects of heat and light	29	18	47	44	32	29	35
Heat stroke	29	18	45	41	28	27	28
Effects of air pressure	3	-	-	4	-	-	-
Caisson disease, bends, divers' palsy	-	-	-	4	-	-	-
Multiple traumatic injuries and disorders	1,895	2,005	1,950	2,157	2,071	1,965	1,564
Cuts, abrasions, bruises	-	-	-	-	-	3	-
Fractures and other injuries	5	4	3	4	-	5	3
Burns and other injuries	93	93	91	131	121	151	76
Intracranial injuries and injuries to internal organs	612	639	573	517	399	367	257
Other traumatic injuries and disorders	1,507	1,588	1,632	1,571	1,517	1,414	1,286
Asphyxiations/strangulations, suffocations <sup>18</sup>	297	341	324	316	292	281	283
Drownings	155	163	167	172	155	162	151
Electrocutions, electric shocks	245	251	250	248	213	188	169
Internal injuries to organs and blood vessels of the trunk	624	667	679	598	654	580	510
Other poisonings and toxic effects	177	160	199	229	192	188	161
Animal or insect bites and stings, venomous	5	9	13	10	11	9	10
Nonspecified injuries and disorders	-	4	8	3	6	11	11
Crushing injuries	-	3	4	3	-	6	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Back pain, hurt back	-	-	3	-	3	3	-
<b>Part of body<sup>13</sup></b>							
<b>Head</b>	1,342	1,350	1,309	1,312	1,201	1,098	971
Cranial region	1,076	1,135	1,104	1,081	983	852	736
Brain	1,062	1,107	1,085	1,058	969	839	731
Scalp	-	-	-	3	3	-	3
Skull	3	-	-	-	-	-	-
Multiple cranial region locations	-	7	7	5	4	5	-
Face	30	16	28	19	34	20	27
Forehead	8	3	7	4	6	4	6
Eye(s)	-	-	-	-	3	-	-
Cheek(s)	-	-	-	-	3	-	-
Mouth	10	5	7	6	9	4	8
Multiple head locations	8	8	5	10	-	8	-
<b>Neck, except internal location of diseases or disorders</b>	101	131	130	110	174	138	137
<b>Trunk</b>	960	972	1,001	901	1,002	866	822
Shoulder, including clavicle, scapula	5	-	-	3	6	4	4
Chest, except internal location of diseases or disorders	448	451	444	424	445	387	393
Heart	-	3	-	-	-	-	-
Back, including spine, spinal cord	75	49	68	66	66	60	48
Lumbar region	4	4	8	6	9	5	4
Thoracic region	18	11	10	10	16	14	8
Multiple back regions	4	9	6	6	5	4	8

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Abdomen, except internal location of diseases of disorders	61	73	72	55	71	69	56
Pelvic region	32	30	41	33	33	25	34
Hip(s)	8	10	12	8	12	8	15
Pelvis	8	12	11	16	11	14	15
Multiple pelvic region locations	-	4	-	3	4	-	-
Multiple trunk locations	263	297	300	251	271	248	211
<b>Upper extremities</b>	12	12	19	18	13	18	9
Arm(s)	5	10	11	8	8	14	6
Upper arm(s)	-	3	4	3	3	4	-
Elbow(s)	-	-	-	-	-	3	-
Forearm(s)	-	-	-	3	-	-	-
Wrist(s)	-	-	-	3	3	-	-
Hand(s), except finger(s)	-	-	-	-	-	3	-
Finger(s), fingernail(s)	-	-	-	3	-	-	-
Multiple upper extremities locations	-	-	4	-	-	-	-
<b>Lower extremities</b>	82	65	61	78	76	57	76
Leg(s)	59	50	41	51	53	37	51
Thigh(s)	17	10	13	14	8	6	9
Knee(s)	9	10	10	8	11	10	8
Lower leg(s)	13	7	7	13	10	6	14
Multiple leg(s) locations	5	4	3	-	3	-	4
Ankle(s)	11	3	10	6	11	10	8
Foot(feet), except toe(s)	5	6	3	10	8	-	6
Multiple lower extremities locations	6	6	5	9	3	4	7
<b>Body Systems</b>	895	910	968	972	825	813	732
<b>Multiple Body Parts</b>	2,180	2,299	2,236	2,429	2,345	2,222	1,801



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Event or exposure 2011<sup>19</sup></b>							
<b>Violence and other injuries by persons or animals</b>	-	-	-	-	-	-	-
Intentional injury by person	-	-	-	-	-	-	-
Homicides	-	-	-	-	-	-	-
Shooting by other person—intentional	-	-	-	-	-	-	-
Stabbing, cutting, slashing, piercing	-	-	-	-	-	-	-
Hitting, kicking, beating, shoving	-	-	-	-	-	-	-
Strangulation by other person	-	-	-	-	-	-	-
Bombing, arson	-	-	-	-	-	-	-
Multiple violent acts by other person	-	-	-	-	-	-	-
Suicides	-	-	-	-	-	-	-
Shooting—intentional self-harm	-	-	-	-	-	-	-
Hanging, strangulation, asphyxiation—intentional self-harm	-	-	-	-	-	-	-
Jumping from building or other structure intentional—self-harm	-	-	-	-	-	-	-
Cutting, stabbing—intentional self-harm	-	-	-	-	-	-	-
Drug overdose—intentional self-harm	-	-	-	-	-	-	-
Inhalation of substance—intentional self-harm	-	-	-	-	-	-	-
Injury by person—unintentional or intent unknown	-	-	-	-	-	-	-
Injury by other person—unintentional or intent unknown	-	-	-	-	-	-	-
Shooting by other person—unintentional	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Injured by physical contact with other person in sporting event or physical training	-	-	-	-	-	-	-
Injured by physical contact during horseplay	-	-	-	-	-	-	-
Injured by physical contact with person while restraining, subduing—unintentional	-	-	-	-	-	-	-
Self-inflicted injury—unintentional or intent unknown	-	-	-	-	-	-	-
Self-inflicted shooting—unintentional	-	-	-	-	-	-	-
Drug overdose—intent unknown	-	-	-	-	-	-	-
Animal and insect related incidents	-	-	-	-	-	-	-
Bites and stings	-	-	-	-	-	-	-
Stings and venomous bites	-	-	-	-	-	-	-
Nonvenomous insect bites	-	-	-	-	-	-	-
Other animal bites, nonvenomous	-	-	-	-	-	-	-
Struck by animal	-	-	-	-	-	-	-
Trampled by or stepped on by animal	-	-	-	-	-	-	-
Kicked by animal	-	-	-	-	-	-	-
Mauled, clawed, or scratched by animal	-	-	-	-	-	-	-
Gored or rammed by animal	-	-	-	-	-	-	-
Multiple types of animal and insect incidents	-	-	-	-	-	-	-
Bitten and struck by animal	-	-	-	-	-	-	-
<b>Transportation incidents</b>	-	-	-	-	-	-	-
Aircraft incidents	-	-	-	-	-	-	-
Pedestrian struck by aircraft or propeller	-	-	-	-	-	-	-
Aircraft crash during takeoff or landing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Aircraft crash during takeoff or landing—due to mechanical failure	-	-	-	-	-	-	-
Aircraft crash during takeoff or landing—between air vehicles	-	-	-	-	-	-	-
Aircraft crash during takeoff or landing—with ground vehicle	-	-	-	-	-	-	-
Aircraft crash during takeoff or landing—into structure, object, or ground	-	-	-	-	-	-	-
Explosion or fire on aircraft	-	-	-	-	-	-	-
Aircraft crash due to low-altitude entanglement	-	-	-	-	-	-	-
Other in-flight crash	-	-	-	-	-	-	-
Other in-flight crash due to mechanical failure	-	-	-	-	-	-	-
Other in-flight crash between air vehicles	-	-	-	-	-	-	-
Other in-flight crash into structure, object, or ground	-	-	-	-	-	-	-
Parachuting incident	-	-	-	-	-	-	-
Rail vehicle incidents	-	-	-	-	-	-	-
Rail vehicle collision	-	-	-	-	-	-	-
Collision between two rail vehicles	-	-	-	-	-	-	-
Collision between rail and roadway vehicles	-	-	-	-	-	-	-
Derailment	-	-	-	-	-	-	-
Fall or jump from and struck by rail vehicle—transportation incident	-	-	-	-	-	-	-
Fall or jump from rail vehicle—transportation incident	-	-	-	-	-	-	-
Pedestrian struck by rail vehicle—transportation incident	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Animal and other non-motorized vehicle transportation incidents	-	-	-	-	-	-	-
Animal transportation incident	-	-	-	-	-	-	-
Animal transportation collision in roadway	-	-	-	-	-	-	-
Animal transportation collision in nonroadway area	-	-	-	-	-	-	-
Thrown, fell, or jumped from animal being ridden	-	-	-	-	-	-	-
Thrown, tipped, or fell from animal-drawn vehicle	-	-	-	-	-	-	-
Pedal cycle incident	-	-	-	-	-	-	-
Pedal cycle collision in roadway	-	-	-	-	-	-	-
Fall from pedal cycle	-	-	-	-	-	-	-
Pedestrian vehicular incident	-	-	-	-	-	-	-
Pedestrian struck by vehicle in work zone	-	-	-	-	-	-	-
Pedestrian struck by vehicle propelled by another vehicle in work zone	-	-	-	-	-	-	-
Pedestrian struck by forward-moving vehicle in work zone	-	-	-	-	-	-	-
Pedestrian struck by vehicle backing up in work zone	-	-	-	-	-	-	-
Pedestrian struck by vehicle in roadway	-	-	-	-	-	-	-
Pedestrian struck by vehicle propelled by another vehicle in roadway	-	-	-	-	-	-	-
Pedestrian struck by forward-moving vehicle in roadway	-	-	-	-	-	-	-
Pedestrian struck by vehicle backing up in roadway	-	-	-	-	-	-	-
Pedestrian struck by vehicle on side of road	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Pedestrian struck by vehicle							
propelled by another vehicle on side of road	-	-	-	-	-	-	-
Pedestrian struck by forward-moving vehicle on side of road	-	-	-	-	-	-	-
Pedestrian struck by vehicle backing up on side of road	-	-	-	-	-	-	-
Pedestrian struck by vehicle in nonroadway area	-	-	-	-	-	-	-
Pedestrian struck by vehicle propelled by another vehicle in nonroadway area	-	-	-	-	-	-	-
Pedestrian struck by forward-moving vehicle in nonroadway area	-	-	-	-	-	-	-
Pedestrian struck by vehicle backing up in nonroadway area	-	-	-	-	-	-	-
Water vehicle incident	-	-	-	-	-	-	-
Water vehicle or propeller struck person	-	-	-	-	-	-	-
Water vehicle collision	-	-	-	-	-	-	-
Collision between water vehicles	-	-	-	-	-	-	-
Collision between water vehicle and object	-	-	-	-	-	-	-
Explosion or fire on water vehicle	-	-	-	-	-	-	-
Capsized or sinking water vehicle	-	-	-	-	-	-	-
Fall or jump and struck by water vehicle	-	-	-	-	-	-	-
Fall or jump from water vehicle	-	-	-	-	-	-	-
Machinery or equipment incident on water vehicle	-	-	-	-	-	-	-
Fall on water vehicle	-	-	-	-	-	-	-
Roadway incident involving motorized land vehicle	-	-	-	-	-	-	-
Roadway collision with other vehicle	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Roadway collision moving in same direction	-	-	-	-	-	-	-
Roadway collision moving in opposite directions, oncoming	-	-	-	-	-	-	-
Roadway collision moving perpendicularly	-	-	-	-	-	-	-
Roadway collision moving and standing vehicle in roadway	-	-	-	-	-	-	-
Roadway collision moving and standing vehicle on side of roadway	-	-	-	-	-	-	-
Roadway collision with object other than vehicle	-	-	-	-	-	-	-
Vehicle struck object or animal in roadway	-	-	-	-	-	-	-
Vehicle struck object or animal on side of roadway	-	-	-	-	-	-	-
Vehicle struck by falling or flying object roadway	-	-	-	-	-	-	-
Roadway noncollision incident	-	-	-	-	-	-	-
Jack-knifed or overturned, roadway	-	-	-	-	-	-	-
Ran off roadway	-	-	-	-	-	-	-
Struck by shifting load during transport, roadway	-	-	-	-	-	-	-
Fall or jump from and struck by same vehicle in normal operation, roadway	-	-	-	-	-	-	-
Fall or jump from vehicle in normal operation, roadway	-	-	-	-	-	-	-
Nonroadway incident involving motorized land vehicle	-	-	-	-	-	-	-
Nonroadway collision with other vehicle	-	-	-	-	-	-	-
Moving in same direction, nonroadway	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Collision between a moving and standing vehicle, nonroadway	-	-	-	-	-	-	-
Nonroadway collision with object other than vehicle	-	-	-	-	-	-	-
Part of occupant's body caught between vehicle and other object in nonroadway transport in	-	-	-	-	-	-	-
Nonroadway noncollision incident	-	-	-	-	-	-	-
Jack-knifed or overturned, nonroadway	-	-	-	-	-	-	-
Ran off driving surface, nonroadway	-	-	-	-	-	-	-
Fall or jump from and struck by same vehicle in normal operation, nonroadway	-	-	-	-	-	-	-
Fall or jump from and struck by another vehicle in normal operation, nonroadway	-	-	-	-	-	-	-
Fall or jump from vehicle in normal operation, nonroadway	-	-	-	-	-	-	-
Struck bump, hole, rough terrain on driving surface, nonroadway	-	-	-	-	-	-	-
<b>Fire or explosion</b>	-	-	-	-	-	-	-
Fire	-	-	-	-	-	-	-
Collapsing building, structure, or structural element during fire	-	-	-	-	-	-	-
Other structural fire without collapse	-	-	-	-	-	-	-
Vehicle or machinery fire	-	-	-	-	-	-	-
Ignition of clothing from controlled heat source	-	-	-	-	-	-	-
Small-scale (limited) fire	-	-	-	-	-	-	-
Forest or brush fire	-	-	-	-	-	-	-
Ignition of vapors, gases, or liquids	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Explosion	-	-	-	-	-	-	-
Dust explosion	-	-	-	-	-	-	-
Explosion of nonpressurized vapors, gases, or liquids	-	-	-	-	-	-	-
Explosion of pressure vessel, piping, or tire	-	-	-	-	-	-	-
Demolition or blasting explosion	-	-	-	-	-	-	-
<b>Fall, slip, trip</b>	-	-	-	-	-	-	-
Slip or trip without fall	-	-	-	-	-	-	-
Trip without fall	-	-	-	-	-	-	-
Trip from stepping into a hole without fall	-	-	-	-	-	-	-
Fall on same level	-	-	-	-	-	-	-
Fall on same level due to tripping	-	-	-	-	-	-	-
Fall on same level while climbing stairs, steps, or curbs	-	-	-	-	-	-	-
Fall on same level due to tripping on uneven surface	-	-	-	-	-	-	-
Fall on same level due to tripping over an object	-	-	-	-	-	-	-
Fall on same level due to tripping over self	-	-	-	-	-	-	-
Fall on same level due to slipping	-	-	-	-	-	-	-
Fall while sitting	-	-	-	-	-	-	-
Fall onto or against object on same level, n.e.c.	-	-	-	-	-	-	-
Fall to lower level	-	-	-	-	-	-	-
Fall from collapsing structure or equipment	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Fall from collapsing structure or equipment less than 6 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment 6 to 10 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment 11 to 15 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment 16 to 20 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment 21 to 25 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment 26 to 30 feet	-	-	-	-	-	-	-
Fall from collapsing structure or equipment more than 30 feet	-	-	-	-	-	-	-
Fall through surface or existing opening	-	-	-	-	-	-	-
Fall through surface or existing opening less than 6 feet	-	-	-	-	-	-	-
Fall through surface or existing opening 6 to 10 feet	-	-	-	-	-	-	-
Fall through surface or existing opening 11 to 15 feet	-	-	-	-	-	-	-
Fall through surface or existing opening 16 to 20 feet	-	-	-	-	-	-	-
Fall through surface or existing opening 21 to 25 feet	-	-	-	-	-	-	-
Fall through surface or existing opening 26 to 30 feet	-	-	-	-	-	-	-
Fall through surface or existing opening more than 30 feet	-	-	-	-	-	-	-
Other fall to lower level	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other fall to lower level less than 6 feet	-	-	-	-	-	-	-
Other fall to lower level 6 to 10 feet	-	-	-	-	-	-	-
Other fall to lower level 11 to 15 feet	-	-	-	-	-	-	-
Other fall to lower level 16 to 20 feet	-	-	-	-	-	-	-
Other fall to lower level 21 to 25 feet	-	-	-	-	-	-	-
Other fall to lower level 26 to 30 feet	-	-	-	-	-	-	-
Other fall to lower level more than 30 feet	-	-	-	-	-	-	-
Jump to lower level	-	-	-	-	-	-	-
Other jump to lower level	-	-	-	-	-	-	-
Other jump to lower level 6 to 10 feet	-	-	-	-	-	-	-
Other jump to lower level 11 to 15 feet	-	-	-	-	-	-	-
Other jump to lower level 21 to 25 feet	-	-	-	-	-	-	-
Other jump to lower level more than 30 feet	-	-	-	-	-	-	-
<b>Exposure to harmful substances or environments</b>	-	-	-	-	-	-	-
Exposure to electricity	-	-	-	-	-	-	-
Direct exposure to electricity	-	-	-	-	-	-	-
Direct exposure to electricity, 220 volts or less	-	-	-	-	-	-	-
Direct exposure to electricity, greater than 220 volts	-	-	-	-	-	-	-
Indirect exposure to electricity	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Indirect exposure to electricity, 220 volts or less	-	-	-	-	-	-	-
Indirect exposure to electricity, greater than 220 volts	-	-	-	-	-	-	-
Exposure to temperature extremes	-	-	-	-	-	-	-
Exposure to environmental heat	-	-	-	-	-	-	-
Exposure to environmental cold	-	-	-	-	-	-	-
Contact with hot objects or substances	-	-	-	-	-	-	-
Exposure to other harmful substances	-	-	-	-	-	-	-
Nonmedical use of drugs or alcohol unintentional overdose	-	-	-	-	-	-	-
Inhalation of harmful substance	-	-	-	-	-	-	-
Inhalation of harmful substance single episode	-	-	-	-	-	-	-
Ingestion of harmful substance	-	-	-	-	-	-	-
Exposure to harmful substance through skin, eyes, or other exposed tissue	-	-	-	-	-	-	-
Exposure through unintentional needlestick or sharp injury	-	-	-	-	-	-	-
Exposure through scratch or other open wound	-	-	-	-	-	-	-
Exposure through intact skin, eyes, or other exposed tissue	-	-	-	-	-	-	-
Multiple types of exposures through skin, eyes, or other exposed tissue	-	-	-	-	-	-	-
Exposure to other harmful substance multiple routes of exposure	-	-	-	-	-	-	-
Exposure to oxygen deficiency	-	-	-	-	-	-	-
Drowning, submersion, n.e.c.	-	-	-	-	-	-	-
Choking on object or substance	-	-	-	-	-	-	-
Depletion of oxygen	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Contact with objects and equipment</b>	-	-	-	-	-	-	-
Struck by object or equipment	-	-	-	-	-	-	-
Struck by powered vehicle nontransport	-	-	-	-	-	-	-
Caught between rolling powered vehicle and other object	-	-	-	-	-	-	-
Struck or run over by rolling powered vehicle	-	-	-	-	-	-	-
Struck by swinging part of powered vehicle	-	-	-	-	-	-	-
Struck by falling part of powered vehicle still attached	-	-	-	-	-	-	-
Struck by powered vehicle tipping over nontransport	-	-	-	-	-	-	-
Struck by other falling powered vehicle	-	-	-	-	-	-	-
Struck by rolling object or equipment other than powered vehicle	-	-	-	-	-	-	-
Struck by rolling object or equipment being pushed by injured worker	-	-	-	-	-	-	-
Struck by object or equipment rolling freely	-	-	-	-	-	-	-
Struck by falling object or equipment	-	-	-	-	-	-	-
Struck by object or equipment dropped by injured worker	-	-	-	-	-	-	-
Struck by object falling from vehicle or machinery other than vehicle part	-	-	-	-	-	-	-
Struck by discharged or flying object	-	-	-	-	-	-	-
Struck by dislodged flying object, particle	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Struck by discharged object or substance	-	-	-	-	-	-	-
Struck by thrown object unintentional injury	-	-	-	-	-	-	-
Injured by handheld object or equipment	-	-	-	-	-	-	-
Injured by slipping or swinging object held by injured worker	-	-	-	-	-	-	-
Struck by swinging or slipping object, other than handheld	-	-	-	-	-	-	-
Struck by or caught in swinging door or gate	-	-	-	-	-	-	-
Struck against object or equipment	-	-	-	-	-	-	-
Struck against moving object or equipment	-	-	-	-	-	-	-
Struck against moving part of machinery or equipment	-	-	-	-	-	-	-
Struck against stationary object or equipment	-	-	-	-	-	-	-
Struck against stationary object or equipment while rising	-	-	-	-	-	-	-
Caught in or compressed by equipment or objects	-	-	-	-	-	-	-
Caught in running equipment or machinery	-	-	-	-	-	-	-
Caught in running equipment or machinery during maintenance, cleaning	-	-	-	-	-	-	-
Caught in running equipment or machinery during regular operation	-	-	-	-	-	-	-
Compressed or pinched by shifting objects or equipment	-	-	-	-	-	-	-
Compressed or pinched between two stationary objects	-	-	-	-	-	-	-
Entangled in other object or equipment	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Struck, caught, or crushed in collapsing structure, equipment, or material	-	-	-	-	-	-	-
Excavation or trenching cave-in	-	-	-	-	-	-	-
Mine collapse or cave-in	-	-	-	-	-	-	-
Other cave-in	-	-	-	-	-	-	-
Landslide	-	-	-	-	-	-	-
Struck, caught, or crushed in other collapsing structure or equipment	-	-	-	-	-	-	-
Engulfment in other collapsing material	-	-	-	-	-	-	-
<b>Overexertion and bodily reaction</b>	-	-	-	-	-	-	-
Overexertion involving outside sources	-	-	-	-	-	-	-
Overexertion in lifting, lowering	-	-	-	-	-	-	-
Overexertion in lifting single episode	-	-	-	-	-	-	-
Overexertion in pushing, pulling, or turning	-	-	-	-	-	-	-
Overexertion in pushing, pulling, or turning single episode	-	-	-	-	-	-	-
Overexertion in holding, carrying, or wielding	-	-	-	-	-	-	-
Overexertion in holding, carrying, or wielding single episode	-	-	-	-	-	-	-
Other exertions or bodily reactions	-	-	-	-	-	-	-
Bending, crawling, reaching, twisting, climbing, stepping	-	-	-	-	-	-	-
Climbing or stepping up or down single episode	-	-	-	-	-	-	-
Walking, without other incident	-	-	-	-	-	-	-
<b>Primary source 2011<sup>20</sup></b>							

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Chemicals and chemical products</b>	-	-	-	-	-	-	-
Acids and alkalies	-	-	-	-	-	-	-
Acids	-	-	-	-	-	-	-
Hydrogen fluoride, hydrofluoric acid	-	-	-	-	-	-	-
Sulfuric acid	-	-	-	-	-	-	-
Alkalies	-	-	-	-	-	-	-
Cement, mortar mix dry	-	-	-	-	-	-	-
Cement, mortar mix wet	-	-	-	-	-	-	-
Sodium and potassium hydroxide, potassium carbonate	-	-	-	-	-	-	-
Aromatics and hydrocarbon derivatives, except halogenated	-	-	-	-	-	-	-
Alcohols	-	-	-	-	-	-	-
Antifreeze	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-
Ethylene glycol	-	-	-	-	-	-	-
Methanol	-	-	-	-	-	-	-
Aromatics	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-
Styrene	-	-	-	-	-	-	-
Ketones	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-
Methyl ethyl ketone	-	-	-	-	-	-	-
Multiple aromatics and hydrocarbon derivatives, except halogenated	-	-	-	-	-	-	-
Other aromatics and hydrocarbon derivatives, except halogenated	-	-	-	-	-	-	-
Halogens and halogen compounds	-	-	-	-	-	-	-
Chlorine compounds	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Chlorine, chlorine bleach	-	-	-	-	-	-	-
Dichloromethane	-	-	-	-	-	-	-
Trichloroethylene	-	-	-	-	-	-	-
Fluorine compounds	-	-	-	-	-	-	-
Fluorotrichloromethane	-	-	-	-	-	-	-
Metallic particulates, trace elements, dusts, powders, fumes	-	-	-	-	-	-	-
Other metallics and compounds	-	-	-	-	-	-	-
Welding or soldering fumes or n.e.c.	-	-	-	-	-	-	-
Multiple metallics and metallic compounds	-	-	-	-	-	-	-
Pesticides and other agricultural chemicals	-	-	-	-	-	-	-
Fertilizers, plant food, n.e.c.	-	-	-	-	-	-	-
Herbicides	-	-	-	-	-	-	-
Coal, natural gas, petroleum fuels and products	-	-	-	-	-	-	-
Coal, coal dust	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-
Petroleum, crude oil	-	-	-	-	-	-	-
Petroleum fuels, distillates, and products	-	-	-	-	-	-	-
Gasoline, diesel fuel, jet fuel	-	-	-	-	-	-	-
Lubricating greases, cutting oils	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-
Paving asphalt, asphaltic cement	-	-	-	-	-	-	-
Other chemicals	-	-	-	-	-	-	-
Ammonia and ammonium compounds	-	-	-	-	-	-	-
Ammonia, anhydrous ammonia	-	-	-	-	-	-	-
Cryogenic gases	-	-	-	-	-	-	-
Cyanide and cyanide compounds	-	-	-	-	-	-	-
Hydrogen cyanide	-	-	-	-	-	-	-
Oxygen and oxygen compounds	-	-	-	-	-	-	-
Carbon monoxide	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Carbon dioxide, dry ice	-	-	-	-	-	-	-
Nitrogen oxides	-	-	-	-	-	-	-
Plastics, resins	-	-	-	-	-	-	-
Cyanates, urethanes	-	-	-	-	-	-	-
Resins	-	-	-	-	-	-	-
Sewer, mine, and similar gases	-	-	-	-	-	-	-
Methane gas	-	-	-	-	-	-	-
Sewer gas	-	-	-	-	-	-	-
Manure gas	-	-	-	-	-	-	-
Sulfur and sulfur compounds	-	-	-	-	-	-	-
Hydrogen sulfide	-	-	-	-	-	-	-
Sulfur dioxide	-	-	-	-	-	-	-
Multiple chemicals or chemical mixtures, n.e.c.	-	-	-	-	-	-	-
Other chemicals, n.e.c.	-	-	-	-	-	-	-
Nitrogen	-	-	-	-	-	-	-
Hydrogen	-	-	-	-	-	-	-
Chemical products	-	-	-	-	-	-	-
Cleaning and polishing agents	-	-	-	-	-	-	-
Drugs, alcohol, and medicines	-	-	-	-	-	-	-
Alcoholic beverages	-	-	-	-	-	-	-
Drugs nonmedicinal	-	-	-	-	-	-	-
Medicines, except vaccines	-	-	-	-	-	-	-
Vaccines	-	-	-	-	-	-	-
Multiple drugs, alcohol, medicines	-	-	-	-	-	-	-
Explosives, blasting agents	-	-	-	-	-	-	-
Gunpowder	-	-	-	-	-	-	-
Pyrotechnics, fireworks	-	-	-	-	-	-	-
Paint, lacquer, shellac, varnish	-	-	-	-	-	-	-
Lacquer, shellac, varnish	-	-	-	-	-	-	-
Paint	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Solvents, degreasers	-	-	-	-	-	-	-
Naphtha solvents	-	-	-	-	-	-	-
Paint removers, thinners	-	-	-	-	-	-	-
Multiple solvents, degreasers	-	-	-	-	-	-	-
Other chemical products—general	-	-	-	-	-	-	-
Photographic and copying solutions	-	-	-	-	-	-	-
<b>Containers, furniture, and fixtures</b>	-	-	-	-	-	-	-
Containers	-	-	-	-	-	-	-
Containers nonpressurized	-	-	-	-	-	-	-
Bags, sacks	-	-	-	-	-	-	-
Barrels, drums except pressurized	-	-	-	-	-	-	-
Bottles, jugs, flasks	-	-	-	-	-	-	-
Boxes, crates, cartons	-	-	-	-	-	-	-
Buckets, baskets, pails	-	-	-	-	-	-	-
Cans	-	-	-	-	-	-	-
Pots, pans, trays	-	-	-	-	-	-	-
Tanks, bins, vats nonconfined space	-	-	-	-	-	-	-
Containers pressurized	-	-	-	-	-	-	-
Boilers	-	-	-	-	-	-	-
Hoses	-	-	-	-	-	-	-
Oxygen tanks and cylinders	-	-	-	-	-	-	-
Pressure lines, except hoses	-	-	-	-	-	-	-
Propane tanks and cylinders	-	-	-	-	-	-	-
Beer and soda kegs	-	-	-	-	-	-	-
Fire extinguishers	-	-	-	-	-	-	-
Containers variable restraint	-	-	-	-	-	-	-
Bundles, bales	-	-	-	-	-	-	-
Reels, rolls, spools, coils, cones	-	-	-	-	-	-	-
Luggage, handbags	-	-	-	-	-	-	-
Suitcases, baggage, luggage	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Skids, pallets	-	-	-	-	-	-	-
Furniture and fixtures	-	-	-	-	-	-	-
Cases, cabinets, racks, shelves	-	-	-	-	-	-	-
Bookcases	-	-	-	-	-	-	-
Cabinets, cases display, storage	-	-	-	-	-	-	-
Racks garment and other	-	-	-	-	-	-	-
Shelves, shelving	-	-	-	-	-	-	-
Cages, cage racks	-	-	-	-	-	-	-
Furniture	-	-	-	-	-	-	-
Benches, workbenches, saw horses	-	-	-	-	-	-	-
Chairs	-	-	-	-	-	-	-
Desks	-	-	-	-	-	-	-
Sofas	-	-	-	-	-	-	-
Tables, worktables	-	-	-	-	-	-	-
Lighting equipment	-	-	-	-	-	-	-
Lamps, light fixtures	-	-	-	-	-	-	-
Plumbing fixtures	-	-	-	-	-	-	-
Toilets, urinals	-	-	-	-	-	-	-
<b>Machinery</b>	-	-	-	-	-	-	-
Agricultural and garden machinery	-	-	-	-	-	-	-
Harvesting and threshing machinery	-	-	-	-	-	-	-
Balers agricultural	-	-	-	-	-	-	-
Combines	-	-	-	-	-	-	-
Harvesters, reapers	-	-	-	-	-	-	-
Mowing machinery	-	-	-	-	-	-	-
Lawn mowers nonriding, powered	-	-	-	-	-	-	-
Lawn mowers riding	-	-	-	-	-	-	-
Brush hogs tractor	-	-	-	-	-	-	-
Sickle bars tractor	-	-	-	-	-	-	-
Mower tractor, n.e.c.	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Plowing, planting, and fertilizing machinery	-	-	-	-	-	-	-
Plowing and cultivating machinery	-	-	-	-	-	-	-
Seed planting machinery	-	-	-	-	-	-	-
Spreading machinery agricultural	-	-	-	-	-	-	-
Other agricultural and garden machinery	-	-	-	-	-	-	-
Feed grinders, crushers, mixers agricultural	-	-	-	-	-	-	-
Spraying and dusting machinery agricultural	-	-	-	-	-	-	-
Irrigation machinery	-	-	-	-	-	-	-
Construction, logging, and mining machinery	-	-	-	-	-	-	-
Excavating machinery	-	-	-	-	-	-	-
Backhoes, trackhoes	-	-	-	-	-	-	-
Bulldozers	-	-	-	-	-	-	-
Mini excavators	-	-	-	-	-	-	-
Trenchers	-	-	-	-	-	-	-
Loaders	-	-	-	-	-	-	-
Bucket, front-end, end, and pay loaders	-	-	-	-	-	-	-
Skid steer loaders, mini loaders	-	-	-	-	-	-	-
Logging and wood processing machinery specialized	-	-	-	-	-	-	-
Mechanical harvesters logging	-	-	-	-	-	-	-
Forwarding and yarding machinery, except feller-forwarders	-	-	-	-	-	-	-
Skidders cable and grapple	-	-	-	-	-	-	-
Chippers	-	-	-	-	-	-	-
Log processing machinery	-	-	-	-	-	-	-
Log loaders	-	-	-	-	-	-	-
Mining and drilling machinery	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Drilling machines, drilling augers	-	-	-	-	-	-	-
Mineral sorters, separators, concentrators	-	-	-	-	-	-	-
Tunneling machines	-	-	-	-	-	-	-
Oil drilling rigs and machinery	-	-	-	-	-	-	-
Road grading and surfacing machinery	-	-	-	-	-	-	-
Asphalt and concrete spreaders	-	-	-	-	-	-	-
Asphalt and concrete paving machines, pavers	-	-	-	-	-	-	-
Rollers, compactors construction	-	-	-	-	-	-	-
Graders, scrapers construction	-	-	-	-	-	-	-
Milling machines, cold planers, and road profilers	-	-	-	-	-	-	-
Road recyclers, road reclaimers	-	-	-	-	-	-	-
Material transfer machines	-	-	-	-	-	-	-
Other construction, logging, and mining machinery	-	-	-	-	-	-	-
Agitators, mixers earth, mineral	-	-	-	-	-	-	-
Compactors, crushers, pulverizers earth, mineral	-	-	-	-	-	-	-
Pile drivers, tamping machinery	-	-	-	-	-	-	-
Heating, cooling, and cleaning machinery and appliances	-	-	-	-	-	-	-
Cooling and humidifying machinery and appliances	-	-	-	-	-	-	-
Air conditioning units	-	-	-	-	-	-	-
Fans, blowers wall, floor, ceiling, ventilation	-	-	-	-	-	-	-
Humidifiers, dehumidifiers, vaporizers	-	-	-	-	-	-	-
Refrigerators, freezers, ice makers	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heating and cooking machinery and appliances	-	-	-	-	-	-	-
Beverage heating and percolating equipment and appliances	-	-	-	-	-	-	-
Broiling and frying equipment and appliances	-	-	-	-	-	-	-
Furnaces, heaters	-	-	-	-	-	-	-
Kilns	-	-	-	-	-	-	-
Ranges, cooking ovens, grills, toasters, food warmers	-	-	-	-	-	-	-
Washers, dryers, and cleaning machinery and appliances	-	-	-	-	-	-	-
Clothes dryers	-	-	-	-	-	-	-
Clothes washers	-	-	-	-	-	-	-
Material and personnel handling machinery	-	-	-	-	-	-	-
Conveyors gravity and nonpowered	-	-	-	-	-	-	-
Chutes	-	-	-	-	-	-	-
Conveyors roller	-	-	-	-	-	-	-
Conveyors powered	-	-	-	-	-	-	-
Conveyors belt	-	-	-	-	-	-	-
Conveyors bucket, cup	-	-	-	-	-	-	-
Conveyors chain	-	-	-	-	-	-	-
Conveyors live roller	-	-	-	-	-	-	-
Conveyors screw, auger	-	-	-	-	-	-	-
Cranes	-	-	-	-	-	-	-
Cranes truck-mounted	-	-	-	-	-	-	-
Cranes rail-mounted	-	-	-	-	-	-	-
Cranes floating, barge mounted	-	-	-	-	-	-	-
Cranes other mobile cranes	-	-	-	-	-	-	-
Cranes tower, self-erecting, portal, pillar, hammerhead	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Cranes gantry, overhead, monorail, container	-	-	-	-	-	-	-
Cranes other fixed or stationary cranes	-	-	-	-	-	-	-
Overhead hoists	-	-	-	-	-	-	-
Overhead hoists electric powered	-	-	-	-	-	-	-
Overhead hoists pneumatic powered	-	-	-	-	-	-	-
Derricks and related equipment	-	-	-	-	-	-	-
Elevators, hoists, aerial lifts, personnel platforms except truck-mounted	-	-	-	-	-	-	-
Dumbwaiters	-	-	-	-	-	-	-
Elevators	-	-	-	-	-	-	-
Manlifts	-	-	-	-	-	-	-
Automobile lifts and hoists	-	-	-	-	-	-	-
Material and personnel hoists	-	-	-	-	-	-	-
Boat lifts	-	-	-	-	-	-	-
Aerial lifts, scissor lifts except truck-mounted	-	-	-	-	-	-	-
Jacks	-	-	-	-	-	-	-
Ski lifts, nonrail amusement rides	-	-	-	-	-	-	-
Ski lifts, gondola rides	-	-	-	-	-	-	-
Nonrail amusement rides	-	-	-	-	-	-	-
Other material and personnel handling machinery	-	-	-	-	-	-	-
Winders, unwinders	-	-	-	-	-	-	-
Banding, baling, strapping machinery	-	-	-	-	-	-	-
Stacking machinery	-	-	-	-	-	-	-
Metal, woodworking, and special material machinery	-	-	-	-	-	-	-
Bending, rolling, shaping machinery	-	-	-	-	-	-	-
Bending, crimping machines	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Shearing machines	-	-	-	-	-	-	-
Rolling mills, rolling, calendering machinery	-	-	-	-	-	-	-
Boring, drilling, planing, milling machinery	-	-	-	-	-	-	-
Drills stationary	-	-	-	-	-	-	-
Milling machines	-	-	-	-	-	-	-
Reaming machines	-	-	-	-	-	-	-
Boring, routing, notching machines	-	-	-	-	-	-	-
Extruding, injecting, forming, molding machinery	-	-	-	-	-	-	-
Casting machinery	-	-	-	-	-	-	-
Extruding machinery	-	-	-	-	-	-	-
Forging machinery	-	-	-	-	-	-	-
Plastic injection molding machinery	-	-	-	-	-	-	-
Grinding, polishing machinery	-	-	-	-	-	-	-
Grinders, abraders	-	-	-	-	-	-	-
Honing, polishing, lapping machinery	-	-	-	-	-	-	-
Lathes	-	-	-	-	-	-	-
Metalworking lathes	-	-	-	-	-	-	-
Woodworking lathes	-	-	-	-	-	-	-
Presses, except printing	-	-	-	-	-	-	-
Assembly presses	-	-	-	-	-	-	-
Brake presses	-	-	-	-	-	-	-
Punch presses	-	-	-	-	-	-	-
Sawing machinery stationary	-	-	-	-	-	-	-
Arm saws, radial arm saws	-	-	-	-	-	-	-
Band saws	-	-	-	-	-	-	-
Table saws	-	-	-	-	-	-	-
Threading and tapping machines	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other metal, woodworking, and special material machinery	-	-	-	-	-	-	-
Laser cutting machinery	-	-	-	-	-	-	-
Welding machinery	-	-	-	-	-	-	-
Office and business machinery	-	-	-	-	-	-	-
Office, banking, and retail machinery	-	-	-	-	-	-	-
Shredders	-	-	-	-	-	-	-
Special process machinery	-	-	-	-	-	-	-
Food and beverage processing machinery specialized	-	-	-	-	-	-	-
Meat grinders	-	-	-	-	-	-	-
Mixers, blenders, whippers food and beverage	-	-	-	-	-	-	-
Butchering machinery	-	-	-	-	-	-	-
Dairy and milk processing machinery specialized	-	-	-	-	-	-	-
Packaging, bottling, wrapping machinery	-	-	-	-	-	-	-
Bottling, canning, filling machinery	-	-	-	-	-	-	-
Packaging, wrapping, bundling machinery	-	-	-	-	-	-	-
Product labeling machinery	-	-	-	-	-	-	-
Paper production machinery	-	-	-	-	-	-	-
Calenders, supercalenders paper production	-	-	-	-	-	-	-
Coaters paper production	-	-	-	-	-	-	-
Dryers paper production	-	-	-	-	-	-	-
Formers paper production	-	-	-	-	-	-	-
Slitters, winders paper production	-	-	-	-	-	-	-
Printing machinery and equipment	-	-	-	-	-	-	-
Presses printing	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Textile, apparel, leather production machinery	-	-	-	-	-	-	-
Picking, carding, combing machinery	-	-	-	-	-	-	-
Spinning machinery	-	-	-	-	-	-	-
Weaving machinery	-	-	-	-	-	-	-
Other special process machinery	-	-	-	-	-	-	-
Centrifuges	-	-	-	-	-	-	-
Distilling and rectifying machinery	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-
Miscellaneous machinery	-	-	-	-	-	-	-
Audio and video equipment	-	-	-	-	-	-	-
Audio equipment	-	-	-	-	-	-	-
Televisions	-	-	-	-	-	-	-
Product assembly machinery, n.e.c.	-	-	-	-	-	-	-
Product testing, inspecting, and diagnostic machinery, n.e.c.	-	-	-	-	-	-	-
Other machinery	-	-	-	-	-	-	-
Air compressors	-	-	-	-	-	-	-
Garbage disposals	-	-	-	-	-	-	-
Incinerators	-	-	-	-	-	-	-
Trash compactors	-	-	-	-	-	-	-
<b>Parts and materials</b>	-	-	-	-	-	-	-
Building materials	-	-	-	-	-	-	-
Bricks, blocks, structural stone	-	-	-	-	-	-	-
Bricks and pavers	-	-	-	-	-	-	-
Concrete blocks, cinder blocks	-	-	-	-	-	-	-
Stone, marble, granite slabs	-	-	-	-	-	-	-
Structural stones or slabs, n.e.c.	-	-	-	-	-	-	-
Pipes, ducts, tubing	-	-	-	-	-	-	-
Concrete or clay pipes and conduits	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ducts	-	-	-	-	-	-	-
Metal pipes, tubing	-	-	-	-	-	-	-
Pipe fittings, collars	-	-	-	-	-	-	-
Plastic, PVC, or rubber pipes and tubing	-	-	-	-	-	-	-
Structural metal materials	-	-	-	-	-	-	-
Bars, rods, reinforcing bar (rebar)	-	-	-	-	-	-	-
Beams unattached metal	-	-	-	-	-	-	-
Grates	-	-	-	-	-	-	-
Metal plates, metal panels	-	-	-	-	-	-	-
Rails unattached metal	-	-	-	-	-	-	-
Sheet metal	-	-	-	-	-	-	-
Tiles, shingles	-	-	-	-	-	-	-
Wood, lumber	-	-	-	-	-	-	-
Dimensional lumber: 2x4, 2x3, etc.	-	-	-	-	-	-	-
Plywood, wood paneling; particle, chip, flake board	-	-	-	-	-	-	-
Wooden beams	-	-	-	-	-	-	-
Wood pieces, trim pieces, wood scraps, n.e.c.	-	-	-	-	-	-	-
Wooden stakes	-	-	-	-	-	-	-
Other building materials solid elements	-	-	-	-	-	-	-
Fencing and screening material, n.e.c.	-	-	-	-	-	-	-
Flashing	-	-	-	-	-	-	-
Glass building materials	-	-	-	-	-	-	-
Gutters, downspouts	-	-	-	-	-	-	-
Siding aluminum, vinyl	-	-	-	-	-	-	-
Wallboard, drywall, sheetrock	-	-	-	-	-	-	-
Fasteners, connectors, ropes, ties	-	-	-	-	-	-	-
Fasteners	-	-	-	-	-	-	-
Clamps, couplings	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Nails, brads, tacks, nuts, bolts, washers	-	-	-	-	-	-	-
Spikes	-	-	-	-	-	-	-
Ropes, ties, chains	-	-	-	-	-	-	-
Chains, n.e.c.	-	-	-	-	-	-	-
Rope, twine, string	-	-	-	-	-	-	-
Wire, cables nonelectrical	-	-	-	-	-	-	-
Valves, nozzles	-	-	-	-	-	-	-
Hoisting accessories	-	-	-	-	-	-	-
Hooks, shackles, magnets, clamshells	-	-	-	-	-	-	-
Slings	-	-	-	-	-	-	-
Machine, tool, and electric parts	-	-	-	-	-	-	-
Electric parts	-	-	-	-	-	-	-
Electrical wiring building	-	-	-	-	-	-	-
Generators	-	-	-	-	-	-	-
Batteries other than automotive	-	-	-	-	-	-	-
Motors other than vehicle	-	-	-	-	-	-	-
Power lines, transformers, convertors	-	-	-	-	-	-	-
Switchboards, switches, fuses	-	-	-	-	-	-	-
Power cords, electrical cords, extension cords	-	-	-	-	-	-	-
Machine and appliance parts	-	-	-	-	-	-	-
Dies, molds, patterns	-	-	-	-	-	-	-
Drives chain, leather, fabric, vee belt	-	-	-	-	-	-	-
Drums, pulleys, sheaves	-	-	-	-	-	-	-
Engines, turbines, except vehicle	-	-	-	-	-	-	-
Gears	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-
Tool parts, accessories	-	-	-	-	-	-	-
Drill bits unattached	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Saw blades unattached	-	-	-	-	-	-	-
Metal materials nonstructural	-	-	-	-	-	-	-
Metal sheets, ingots, bars nonstructural	-	-	-	-	-	-	-
Molten or hot metals, slag	-	-	-	-	-	-	-
Tars, sealants, caulking, insulation	-	-	-	-	-	-	-
Roofing asphalt, roofing tar	-	-	-	-	-	-	-
Sealants, waterproofers, n.e.c.	-	-	-	-	-	-	-
Vehicle and mobile equipment parts	-	-	-	-	-	-	-
Tires, inner tubes, wheels	-	-	-	-	-	-	-
Tires, except bike	-	-	-	-	-	-	-
Wheels, tire rims	-	-	-	-	-	-	-
Engine parts and accessories	-	-	-	-	-	-	-
Battery vehicle	-	-	-	-	-	-	-
Fan vehicle	-	-	-	-	-	-	-
Transmission vehicle	-	-	-	-	-	-	-
Trailers	-	-	-	-	-	-	-
Vehicle doors, liftgates, tailgates	-	-	-	-	-	-	-
Liftgates	-	-	-	-	-	-	-
Tailgates	-	-	-	-	-	-	-
Other parts and materials	-	-	-	-	-	-	-
Caps, lids, covers	-	-	-	-	-	-	-
Container caps, lids, covers	-	-	-	-	-	-	-
Manhole and cistern covers	-	-	-	-	-	-	-
<b>Persons, plants, animals, and minerals</b>	-	-	-	-	-	-	-
Animals	-	-	-	-	-	-	-
Birds and fowl	-	-	-	-	-	-	-
Insects, arachnids, mites	-	-	-	-	-	-	-
Bees, hornets, wasps	-	-	-	-	-	-	-
Spiders, scorpions	-	-	-	-	-	-	-
Mosquitoes	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ticks and mites	-	-	-	-	-	-	-
Reptiles	-	-	-	-	-	-	-
Venomous snakes	-	-	-	-	-	-	-
Mammals	-	-	-	-	-	-	-
Cats, felines domestic	-	-	-	-	-	-	-
Dogs, canines domestic	-	-	-	-	-	-	-
Cattle and other bovines	-	-	-	-	-	-	-
Horses and other equines	-	-	-	-	-	-	-
Sheep, goats, and other caprids	-	-	-	-	-	-	-
Swine and other porcines	-	-	-	-	-	-	-
Animal and plant byproducts	-	-	-	-	-	-	-
Animal products nonfood	-	-	-	-	-	-	-
Animal waste products	-	-	-	-	-	-	-
Food products	-	-	-	-	-	-	-
Fats, oils, cooking greases	-	-	-	-	-	-	-
Dairy products	-	-	-	-	-	-	-
Fruits, nuts, vegetables	-	-	-	-	-	-	-
Grains, cereals, grain mill products	-	-	-	-	-	-	-
Meat, poultry, seafood	-	-	-	-	-	-	-
Multiple foods or groceries	-	-	-	-	-	-	-
Infectious and parasitic agents	-	-	-	-	-	-	-
Bacteria	-	-	-	-	-	-	-
Fungi	-	-	-	-	-	-	-
Viruses	-	-	-	-	-	-	-
Metallic minerals	-	-	-	-	-	-	-
Metal ores nonradiating	-	-	-	-	-	-	-
Nonmetallic minerals, except fuel	-	-	-	-	-	-	-
Asbestos	-	-	-	-	-	-	-
Boulders	-	-	-	-	-	-	-
Dirt, earth	-	-	-	-	-	-	-
Mud	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Rocks, crushed stone	-	-	-	-	-	-	-
Sand, gravel	-	-	-	-	-	-	-
Silica	-	-	-	-	-	-	-
Person injured or ill worker	-	-	-	-	-	-	-
Bodily conditions of injured, ill worker	-	-	-	-	-	-	-
Bodily motion or position of injured, ill worker	-	-	-	-	-	-	-
Person, other than injured or ill worker	-	-	-	-	-	-	-
Relative or domestic partner of injured or ill worker	-	-	-	-	-	-	-
Spouse or domestic partner of injured or ill worker	-	-	-	-	-	-	-
Immediate family member other than spouse	-	-	-	-	-	-	-
Co-worker or work associate of injured or ill worker	-	-	-	-	-	-	-
Co-worker	-	-	-	-	-	-	-
Former co-worker	-	-	-	-	-	-	-
Work associate	-	-	-	-	-	-	-
Former work associate	-	-	-	-	-	-	-
Student	-	-	-	-	-	-	-
Patient	-	-	-	-	-	-	-
Other client or customer	-	-	-	-	-	-	-
Acquaintance	-	-	-	-	-	-	-
Assailant, suspect	-	-	-	-	-	-	-
Robber	-	-	-	-	-	-	-
Inmate or detainee in custody	-	-	-	-	-	-	-
Suspect not yet apprehended	-	-	-	-	-	-	-
Bodily fluids or substances of other than injured or ill person	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Blood of other than injured or ill person	-	-	-	-	-	-	-
Plants, trees, vegetation	-	-	-	-	-	-	-
Cash grain crops	-	-	-	-	-	-	-
Field crops	-	-	-	-	-	-	-
Shrubs, grasses	-	-	-	-	-	-	-
Trees, logs, limbs	-	-	-	-	-	-	-
Trees	-	-	-	-	-	-	-
Logs	-	-	-	-	-	-	-
Limbs, branches unattached	-	-	-	-	-	-	-
Other plants trees vegetation not processed	-	-	-	-	-	-	-
Grain dust	-	-	-	-	-	-	-
<b>Structures and surfaces</b>	-	-	-	-	-	-	-
Confined spaces <sup>21</sup>	-	-	-	-	-	-	-
Ditches, channels, trenches, excavations	-	-	-	-	-	-	-
Mines, caves, tunnels	-	-	-	-	-	-	-
Underground mines, mine tunnels	-	-	-	-	-	-	-
Sewers, manholes, storm drains	-	-	-	-	-	-	-
Wells, cisterns	-	-	-	-	-	-	-
Manure pits	-	-	-	-	-	-	-
Tank, bin, vat interiors	-	-	-	-	-	-	-
Silo, grain bin interiors	-	-	-	-	-	-	-
Grain elevator interiors	-	-	-	-	-	-	-
Septic tank or water tank interiors	-	-	-	-	-	-	-
Trash bin or dumpster interiors	-	-	-	-	-	-	-
Confined spaces on vehicles	-	-	-	-	-	-	-
Confined spaces on ships, water vessels	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Tanker truck interiors	-	-	-	-	-	-	-
Other confined spaces	-	-	-	-	-	-	-
Building	-	-	-	-	-	-	-
Industrial building	-	-	-	-	-	-	-
Warehouse	-	-	-	-	-	-	-
Factory, manufacturing plant	-	-	-	-	-	-	-
Offshore oil platform	-	-	-	-	-	-	-
Agricultural building	-	-	-	-	-	-	-
Barn	-	-	-	-	-	-	-
Silo exterior	-	-	-	-	-	-	-
Grain bin exterior	-	-	-	-	-	-	-
Commercial or retail building	-	-	-	-	-	-	-
Restaurant, bar	-	-	-	-	-	-	-
Retail establishment, store, mall	-	-	-	-	-	-	-
Hotel, motel, lodging establishment	-	-	-	-	-	-	-
Medical building, except institutional residential	-	-	-	-	-	-	-
Residential building, except institutionalized	-	-	-	-	-	-	-
House, townhouse, rowhouse	-	-	-	-	-	-	-
High-rise apartment building, condominium	-	-	-	-	-	-	-
Low or mid-rise apartment building, condominium	-	-	-	-	-	-	-
Mobile or prefabricated home	-	-	-	-	-	-	-
Other public or office building	-	-	-	-	-	-	-
Skyscraper, high-rise except government	-	-	-	-	-	-	-
Low or mid-rise office building except government	-	-	-	-	-	-	-
Government building, post office	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Institutionalized residential building, except jails	-	-	-	-	-	-	-
Structures other than buildings	-	-	-	-	-	-	-
Bridges, dams, locks	-	-	-	-	-	-	-
Grandstands, stadia	-	-	-	-	-	-	-
Pools	-	-	-	-	-	-	-
Scaffolds staging	-	-	-	-	-	-	-
Scaffolds improvised staging	-	-	-	-	-	-	-
Scaffolds self-supporting staging	-	-	-	-	-	-	-
Scaffolds staging supported by structure or other means	-	-	-	-	-	-	-
Scaffolds suspended staging	-	-	-	-	-	-	-
Machine platforms	-	-	-	-	-	-	-
Catwalks	-	-	-	-	-	-	-
Towers, poles	-	-	-	-	-	-	-
Telecommunications and cell phone towers	-	-	-	-	-	-	-
Utility and telephone poles	-	-	-	-	-	-	-
Lamp posts, street lights	-	-	-	-	-	-	-
Windmills, wind turbines	-	-	-	-	-	-	-
Excavations, strip mines, and quarries (except confined space)	-	-	-	-	-	-	-
Other structures	-	-	-	-	-	-	-
Guardrails, road dividers	-	-	-	-	-	-	-
Posts, bollards, moorings	-	-	-	-	-	-	-
Road signs	-	-	-	-	-	-	-
Porches, balconies, decks, patios	-	-	-	-	-	-	-
Railroad tracks	-	-	-	-	-	-	-
Building systems	-	-	-	-	-	-	-
Climate control systems	-	-	-	-	-	-	-
Electrical systems	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other structural elements	-	-	-	-	-	-	-
Entrances and exits	-	-	-	-	-	-	-
Doors, except garage and vehicle	-	-	-	-	-	-	-
Garage doors	-	-	-	-	-	-	-
Fences, fence panels, gates	-	-	-	-	-	-	-
Chain-link fences, panels	-	-	-	-	-	-	-
Gates	-	-	-	-	-	-	-
Windows, openings	-	-	-	-	-	-	-
Roofs	-	-	-	-	-	-	-
Skylights	-	-	-	-	-	-	-
Existing roof openings, other than skylights	-	-	-	-	-	-	-
Roof surfaces other than roof edge	-	-	-	-	-	-	-
Roof edges	-	-	-	-	-	-	-
Trusses, girders, beams structurally attached	-	-	-	-	-	-	-
Girders, beams, structural steel	-	-	-	-	-	-	-
Roof trusses, joists	-	-	-	-	-	-	-
Ceilings, walls	-	-	-	-	-	-	-
Ceilings	-	-	-	-	-	-	-
Walls	-	-	-	-	-	-	-
Handrails, banisters	-	-	-	-	-	-	-
Elevator shafts	-	-	-	-	-	-	-
Floors, walkways, ground surfaces	-	-	-	-	-	-	-
Stairs, steps	-	-	-	-	-	-	-
Stairs, steps indoors	-	-	-	-	-	-	-
Stairs, steps outdoors	-	-	-	-	-	-	-
Floor	-	-	-	-	-	-	-
Existing floor opening	-	-	-	-	-	-	-
Floor irregularity	-	-	-	-	-	-	-
Ground	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Ground irregularity	-	-	-	-	-	-	-
Sidewalks, paths, outdoor walkways	-	-	-	-	-	-	-
Sidewalk, path, or outdoor walkway irregularity	-	-	-	-	-	-	-
Sidewalk, path, outdoor walkway paved	-	-	-	-	-	-	-
Sidewalk, path, outdoor walkway unpaved	-	-	-	-	-	-	-
Street, road, driveway	-	-	-	-	-	-	-
Street, road, or driveway irregularity	-	-	-	-	-	-	-
Street, road, driveway paved	-	-	-	-	-	-	-
Street, road, driveway unpaved	-	-	-	-	-	-	-
Parking lot	-	-	-	-	-	-	-
Parking lot irregularity	-	-	-	-	-	-	-
Parking lot paved	-	-	-	-	-	-	-
Parking lot unpaved	-	-	-	-	-	-	-
Curbs, traffic calming bumps, embankments	-	-	-	-	-	-	-
Curbs	-	-	-	-	-	-	-
Concrete parking blocks and barriers	-	-	-	-	-	-	-
Berms	-	-	-	-	-	-	-
Embankments	-	-	-	-	-	-	-
Culverts, nonconfined ditches	-	-	-	-	-	-	-
Other floors, walkways, ground surfaces	-	-	-	-	-	-	-
Piers, wharfs	-	-	-	-	-	-	-
Ramps, loading docks, dock plates	-	-	-	-	-	-	-
Grates and drains in floor surface	-	-	-	-	-	-	-
Geographical structures	-	-	-	-	-	-	-
Raised natural structures, hills, mountains	-	-	-	-	-	-	-
Hills	-	-	-	-	-	-	-
Mountains	-	-	-	-	-	-	-
Recessed natural structures, valleys	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Gorge, crevice	-	-	-	-	-	-	-
Water bodies natural	-	-	-	-	-	-	-
Natural ponds	-	-	-	-	-	-	-
Lakes	-	-	-	-	-	-	-
Rivers, streams	-	-	-	-	-	-	-
Oceans	-	-	-	-	-	-	-
<b>Tools, instruments, and equipment</b>	-	-	-	-	-	-	-
Handtools nonpowered	-	-	-	-	-	-	-
Boring handtools nonpowered	-	-	-	-	-	-	-
Braces nonpowered	-	-	-	-	-	-	-
Cutting handtools nonpowered	-	-	-	-	-	-	-
Axes, hatchets	-	-	-	-	-	-	-
Bolt cutters nonpowered	-	-	-	-	-	-	-
Box cutters and razor knives	-	-	-	-	-	-	-
Knives or n.e.c.	-	-	-	-	-	-	-
Saws nonpowered	-	-	-	-	-	-	-
Scissors, snips, shears nonpowered	-	-	-	-	-	-	-
Digging handtools nonpowered	-	-	-	-	-	-	-
Shovels	-	-	-	-	-	-	-
Gripping handtools nonpowered	-	-	-	-	-	-	-
Pliers, tongs	-	-	-	-	-	-	-
Vises, clamps	-	-	-	-	-	-	-
Striking and nailing handtools nonpowered	-	-	-	-	-	-	-
Hammers, except sledge nonpowered	-	-	-	-	-	-	-
Surfacing handtools nonpowered	-	-	-	-	-	-	-
Sharpening stones and wheels nonpowered	-	-	-	-	-	-	-
Turning handtools nonpowered	-	-	-	-	-	-	-
Screwdrivers nonpowered	-	-	-	-	-	-	-
Wrenches nonpowered	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Other handtools nonpowered	-	-	-	-	-	-	-
Brooms, mops, and other cleaning tools	-	-	-	-	-	-	-
Crowbars	-	-	-	-	-	-	-
Handtools powered	-	-	-	-	-	-	-
Boring handtools powered	-	-	-	-	-	-	-
Drills powered	-	-	-	-	-	-	-
Cutting handtools powered	-	-	-	-	-	-	-
Chainsaws powered	-	-	-	-	-	-	-
Chisels powered	-	-	-	-	-	-	-
Saws powered, except chainsaws	-	-	-	-	-	-	-
Lawn edgers, clippers, trimmers powered	-	-	-	-	-	-	-
Striking and nailing handtools powered	-	-	-	-	-	-	-
Hammers powered	-	-	-	-	-	-	-
Jackhammers powered	-	-	-	-	-	-	-
Stapling tools electric or pneumatic	-	-	-	-	-	-	-
Surfacing handtools powered	-	-	-	-	-	-	-
Hand grinders powered	-	-	-	-	-	-	-
Sanders powered	-	-	-	-	-	-	-
Sandblasters powered	-	-	-	-	-	-	-
Turning handtools powered	-	-	-	-	-	-	-
Impact wrenches powered	-	-	-	-	-	-	-
Tongs powered	-	-	-	-	-	-	-
Welding and heating handtools powered	-	-	-	-	-	-	-
Welding, cutting, and blow torches	-	-	-	-	-	-	-
Other handtools powered	-	-	-	-	-	-	-
Sprayers, air guns paint	-	-	-	-	-	-	-
Power washers	-	-	-	-	-	-	-
Handtools power not determined	-	-	-	-	-	-	-
Cutting handtools power not determined	-	-	-	-	-	-	-
Saws power not determined	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Turning handtools power not determined	-	-	-	-	-	-	-
Wrenches power not determined	-	-	-	-	-	-	-
Measuring handtools	-	-	-	-	-	-	-
Rulers, tape measures	-	-	-	-	-	-	-
Ladders	-	-	-	-	-	-	-
Ladders fixed	-	-	-	-	-	-	-
Movable ladders	-	-	-	-	-	-	-
Extension ladders	-	-	-	-	-	-	-
Step ladders	-	-	-	-	-	-	-
Straight ladders	-	-	-	-	-	-	-
Truck mounted ladders, aerial ladder trams	-	-	-	-	-	-	-
Medical and surgical instruments and equipment	-	-	-	-	-	-	-
Wheelchairs and other mobility devices	-	-	-	-	-	-	-
Wheelchairs powered	-	-	-	-	-	-	-
Mobility scooters powered	-	-	-	-	-	-	-
Wheelchairs nonpowered	-	-	-	-	-	-	-
Stretchers, backboards, wheeled cots, stair chairs	-	-	-	-	-	-	-
Photographic, athletic, and recreational equipment	-	-	-	-	-	-	-
Recreation and athletic equipment	-	-	-	-	-	-	-
Balls, pucks	-	-	-	-	-	-	-
Playground equipment	-	-	-	-	-	-	-
Snow sports equipment	-	-	-	-	-	-	-
Protective equipment, except clothing	-	-	-	-	-	-	-
Lifelines, lanyards, safety belts, harnesses	-	-	-	-	-	-	-
Firearms, law enforcement, and other self-defense equipment	-	-	-	-	-	-	-
Firearm	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Explosive devices	-	-	-	-	-	-	-
Ammunition	-	-	-	-	-	-	-
Other tools, instruments, and equipment	-	-	-	-	-	-	-
Musical instrument	-	-	-	-	-	-	-
<b>Vehicle</b>	-	-	-	-	-	-	-
Aircraft	-	-	-	-	-	-	-
Airplane powered fixed wing	-	-	-	-	-	-	-
Airplane jet or turbine engine	-	-	-	-	-	-	-
Airplane propeller-driven or piston engine	-	-	-	-	-	-	-
Aircraft powered rotary wing	-	-	-	-	-	-	-
Helicopter	-	-	-	-	-	-	-
Aircraft nonpowered	-	-	-	-	-	-	-
Glider, hang glider nonpowered	-	-	-	-	-	-	-
Parachute	-	-	-	-	-	-	-
Rail vehicle	-	-	-	-	-	-	-
Amusement park rail vehicle	-	-	-	-	-	-	-
Streetcar, trolley, cable car, light rail	-	-	-	-	-	-	-
Subway, elevated train	-	-	-	-	-	-	-
Train, locomotive, rail car	-	-	-	-	-	-	-
Freight train	-	-	-	-	-	-	-
Passenger train, heavy rail	-	-	-	-	-	-	-
Locomotive unattached to rail car(s)	-	-	-	-	-	-	-
Rail car(s) unattached to locomotive	-	-	-	-	-	-	-
Rail-mounted construction, cleaning, maintenance machine	-	-	-	-	-	-	-
Industrial, mining rail vehicle	-	-	-	-	-	-	-
Water vehicle	-	-	-	-	-	-	-
Barge	-	-	-	-	-	-	-
Commercial fishing vessel	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Tugboat, towboat	-	-	-	-	-	-	-
Cargo ship, freighter, passenger liner, ship, excluding sail-powered	-	-	-	-	-	-	-
Motorboat, motorized yacht	-	-	-	-	-	-	-
Sailboat	-	-	-	-	-	-	-
Rowboat, kayak, canoe	-	-	-	-	-	-	-
Raft, floating dock	-	-	-	-	-	-	-
Highway vehicle, motorized	-	-	-	-	-	-	-
Passenger vehicle	-	-	-	-	-	-	-
Ambulance, police, and other emergency passenger vehicle	-	-	-	-	-	-	-
Taxi	-	-	-	-	-	-	-
Automobile	-	-	-	-	-	-	-
Bus	-	-	-	-	-	-	-
Passenger van	-	-	-	-	-	-	-
Motorcycle, moped, dirt bike	-	-	-	-	-	-	-
Motor home, RV	-	-	-	-	-	-	-
Truck motorized freight hauling and utility	-	-	-	-	-	-	-
Semi, tractor-trailer, tanker truck	-	-	-	-	-	-	-
Boom truck, bucket or basket hoist truck	-	-	-	-	-	-	-
Dump truck	-	-	-	-	-	-	-
Garbage, recycling, or refuse truck	-	-	-	-	-	-	-
Fire truck, other emergency equipment truck	-	-	-	-	-	-	-
Delivery truck or van	-	-	-	-	-	-	-
Cement truck, concrete mixer truck	-	-	-	-	-	-	-
Tow truck	-	-	-	-	-	-	-
Multi-purpose highway vehicle	-	-	-	-	-	-	-
Pickup truck	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
SUV, sports utility vehicle	-	-	-	-	-	-	-
Animal- or human-powered vehicle	-	-	-	-	-	-	-
Bicycle, pedal cycle	-	-	-	-	-	-	-
Horse-drawn carriage, buggy	-	-	-	-	-	-	-
Animal-powered wagon	-	-	-	-	-	-	-
Off-road and industrial vehicle - powered	-	-	-	-	-	-	-
Off-road passenger vehicle - powered	-	-	-	-	-	-	-
ATV, all terrain vehicle	-	-	-	-	-	-	-
Golf cart, personnel transport cart	-	-	-	-	-	-	-
Racecar	-	-	-	-	-	-	-
Snowmobile	-	-	-	-	-	-	-
Industrial vehicle, material hauling and transport - powered	-	-	-	-	-	-	-
Forklift, order picker, platform truck - powered	-	-	-	-	-	-	-
Powered industrial carrier	-	-	-	-	-	-	-
Pallet jack - powered	-	-	-	-	-	-	-
Airport utility vehicle - powered	-	-	-	-	-	-	-
Tractors, PTOs	-	-	-	-	-	-	-
Farm tractor	-	-	-	-	-	-	-
Construction tractor	-	-	-	-	-	-	-
Industrial tractor	-	-	-	-	-	-	-
Power take-off (PTO)	-	-	-	-	-	-	-
Plant and industrial vehicle - nonpowered	-	-	-	-	-	-	-
Cart, dolly, hand truck - nonpowered	-	-	-	-	-	-	-
Pallet jack- nonpowered	-	-	-	-	-	-	-
Wagon	-	-	-	-	-	-	-
Wheelbarrow	-	-	-	-	-	-	-
Shopping cart, grocery carriage - nonpowered	-	-	-	-	-	-	-
Other vehicles	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Armored personnel carrier	-	-	-	-	-	-	-
Tank	-	-	-	-	-	-	-
Humvee	-	-	-	-	-	-	-
Street sweeping and cleaning machinery	-	-	-	-	-	-	-
<b>Other sources</b>	-	-	-	-	-	-	-
Apparel and textiles	-	-	-	-	-	-	-
Clothing	-	-	-	-	-	-	-
Blouses, shirts, dresses, trousers, skirts	-	-	-	-	-	-	-
Suits, coats, jackets	-	-	-	-	-	-	-
Environmental and elemental conditions	-	-	-	-	-	-	-
Air pressure	-	-	-	-	-	-	-
Atmospheric pressure high or low	-	-	-	-	-	-	-
Pressurized air blast	-	-	-	-	-	-	-
Avalanche, mudslide	-	-	-	-	-	-	-
Fire, flame, smoke	-	-	-	-	-	-	-
Tobacco smoke	-	-	-	-	-	-	-
Flooding and other water sources	-	-	-	-	-	-	-
Flooding	-	-	-	-	-	-	-
Water pressure high or low	-	-	-	-	-	-	-
Pressurized water blast	-	-	-	-	-	-	-
Temperature extremes environmental	-	-	-	-	-	-	-
Cold environmental	-	-	-	-	-	-	-
Heat environmental	-	-	-	-	-	-	-
Weather and atmospheric conditions	-	-	-	-	-	-	-
Ice, sleet, snow	-	-	-	-	-	-	-
Lightning	-	-	-	-	-	-	-
Other environmental and elemental conditions	-	-	-	-	-	-	-
Oxygen-deficient environment	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Paper, books, magazines	-	-	-	-	-	-	-
Books, notebooks, magazines, catalogues	-	-	-	-	-	-	-
Paper, sheets	-	-	-	-	-	-	-
Scrap, waste, debris	-	-	-	-	-	-	-
Chips, particles, splinters	-	-	-	-	-	-	-
Dirt particles and dust from dirt, debris	-	-	-	-	-	-	-
Broken glass, glass chips, or fibers	-	-	-	-	-	-	-
Metal chips, particles	-	-	-	-	-	-	-
Wood chips, sawdust	-	-	-	-	-	-	-
Sewage	-	-	-	-	-	-	-
Construction debris	-	-	-	-	-	-	-
Trash, garbage	-	-	-	-	-	-	-
Scrap metal	-	-	-	-	-	-	-
Steam, vapor, liquids, ice	-	-	-	-	-	-	-
Liquids	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-
Ice blocks, cubes, crushed	-	-	-	-	-	-	-
<b>Secondary source 2011<sup>22</sup></b>							
<b>Chemicals and chemical products</b>	-	-	-	-	-	-	-
Acids and alkalies	-	-	-	-	-	-	-
Acids	-	-	-	-	-	-	-
Hydrogen chloride, hydrochloric acid	-	-	-	-	-	-	-
Alkalies	-	-	-	-	-	-	-
Cement, mortar mix wet	-	-	-	-	-	-	-
Sodium and potassium hydroxide, potassium carbonate	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Aromatics and hydrocarbon derivatives, except halogenated	-	-	-	-	-	-	-
Alcohols	-	-	-	-	-	-	-
Antifreeze	-	-	-	-	-	-	-
Ethanol	-	-	-	-	-	-	-
Ethylene glycol	-	-	-	-	-	-	-
Methanol	-	-	-	-	-	-	-
Aromatics	-	-	-	-	-	-	-
Benzene	-	-	-	-	-	-	-
Toluene	-	-	-	-	-	-	-
Ketones	-	-	-	-	-	-	-
Acetone	-	-	-	-	-	-	-
Other aromatics and hydrocarbon derivatives, except halogenated	-	-	-	-	-	-	-
Halogens and halogen compounds	-	-	-	-	-	-	-
Chlorine compounds	-	-	-	-	-	-	-
Fluorine compounds	-	-	-	-	-	-	-
Fluorotrichloromethane	-	-	-	-	-	-	-
Metallic particulates, trace elements, dusts, powders, fumes	-	-	-	-	-	-	-
Other metallics and compounds	-	-	-	-	-	-	-
Pesticides and other agricultural chemicals	-	-	-	-	-	-	-
Fertilizers, plant food, n.e.c.	-	-	-	-	-	-	-
Insecticides	-	-	-	-	-	-	-
Coal, natural gas, petroleum fuels and products	-	-	-	-	-	-	-
Coal, coal dust	-	-	-	-	-	-	-
Natural gas	-	-	-	-	-	-	-
Petroleum, crude oil	-	-	-	-	-	-	-
Petroleum fuels, distillates, and products	-	-	-	-	-	-	-
Gasoline, diesel fuel, jet fuel	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Lubricating greases, cutting oils	-	-	-	-	-	-	-
Propane	-	-	-	-	-	-	-
Paving asphalt, asphaltic cement	-	-	-	-	-	-	-
Other chemicals	-	-	-	-	-	-	-
Ammonia and ammonium compounds	-	-	-	-	-	-	-
Ammonia, anhydrous ammonia	-	-	-	-	-	-	-
Cryogenic gases	-	-	-	-	-	-	-
Cyanide and cyanide compounds	-	-	-	-	-	-	-
Oxygen and oxygen compounds	-	-	-	-	-	-	-
Carbon monoxide	-	-	-	-	-	-	-
Carbon dioxide, dry ice	-	-	-	-	-	-	-
Nitrogen oxides	-	-	-	-	-	-	-
Plastics, resins	-	-	-	-	-	-	-
Sewer, mine, and similar gases	-	-	-	-	-	-	-
Methane gas	-	-	-	-	-	-	-
Sewer gas	-	-	-	-	-	-	-
Sulfur and sulfur compounds	-	-	-	-	-	-	-
Hydrogen sulfide	-	-	-	-	-	-	-
Multiple chemicals or chemical mixtures, n.e.c.	-	-	-	-	-	-	-
Other chemicals, n.e.c.	-	-	-	-	-	-	-
Nitrogen	-	-	-	-	-	-	-
Helium	-	-	-	-	-	-	-
Hydrogen	-	-	-	-	-	-	-
Chemical products	-	-	-	-	-	-	-
Cleaning and polishing agents	-	-	-	-	-	-	-
Multiple cleaning and polishing agents	-	-	-	-	-	-	-
Drugs, alcohol, and medicines	-	-	-	-	-	-	-
Alcoholic beverages	-	-	-	-	-	-	-
Drugs nonmedicinal	-	-	-	-	-	-	-
Medicines, except vaccines	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Multiple drugs, alcohol, medicines	-	-	-	-	-	-	-
Explosives, blasting agents	-	-	-	-	-	-	-
Flammable gas	-	-	-	-	-	-	-
Gunpowder	-	-	-	-	-	-	-
Pyrotechnics, fireworks	-	-	-	-	-	-	-
Paint, lacquer, shellac, varnish	-	-	-	-	-	-	-
Lacquer, shellac, varnish	-	-	-	-	-	-	-
Paint	-	-	-	-	-	-	-
Solvents, degreasers	-	-	-	-	-	-	-
Naphtha solvents	-	-	-	-	-	-	-
Paint removers, thinners	-	-	-	-	-	-	-
Other chemical products—general	-	-	-	-	-	-	-
<b>Containers, furniture, and fixtures</b>	-	-	-	-	-	-	-
Containers	-	-	-	-	-	-	-
Containers nonpressurized	-	-	-	-	-	-	-
Bags, sacks	-	-	-	-	-	-	-
Barrels, drums except pressurized	-	-	-	-	-	-	-
Bottles, jugs, flasks	-	-	-	-	-	-	-
Boxes, crates, cartons	-	-	-	-	-	-	-
Buckets, baskets, pails	-	-	-	-	-	-	-
Cans	-	-	-	-	-	-	-
Pots, pans, trays	-	-	-	-	-	-	-
Tanks, bins, vats nonconfined space	-	-	-	-	-	-	-
Containers pressurized	-	-	-	-	-	-	-
Boilers	-	-	-	-	-	-	-
Hoses	-	-	-	-	-	-	-
Pressure lines, except hoses	-	-	-	-	-	-	-
Propane tanks and cylinders	-	-	-	-	-	-	-
Fire extinguishers	-	-	-	-	-	-	-
Containers variable restraint	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Bundles, bales	-	-	-	-	-	-	-
Reels, rolls, spools, coils, cones	-	-	-	-	-	-	-
Luggage, handbags	-	-	-	-	-	-	-
Handbags, pocketbooks, wallets, tote bags	-	-	-	-	-	-	-
Suitcases, baggage, luggage	-	-	-	-	-	-	-
Backpacks	-	-	-	-	-	-	-
Skids, pallets	-	-	-	-	-	-	-
Furniture and fixtures	-	-	-	-	-	-	-
Cases, cabinets, racks, shelves	-	-	-	-	-	-	-
Cabinets, cases display, storage	-	-	-	-	-	-	-
Racks garment and other	-	-	-	-	-	-	-
Shelves, shelving	-	-	-	-	-	-	-
Cages, cage racks	-	-	-	-	-	-	-
Floor, wall, and window coverings	-	-	-	-	-	-	-
Floor coverings nonstructural	-	-	-	-	-	-	-
Furniture	-	-	-	-	-	-	-
Beds, mattresses	-	-	-	-	-	-	-
Benches, workbenches, saw horses	-	-	-	-	-	-	-
Chairs	-	-	-	-	-	-	-
Tables, worktables	-	-	-	-	-	-	-
Lighting equipment	-	-	-	-	-	-	-
Lamps, light fixtures	-	-	-	-	-	-	-
Plumbing fixtures	-	-	-	-	-	-	-
Bathtubs, hot tubs, showers	-	-	-	-	-	-	-
Sinks	-	-	-	-	-	-	-
<b>Machinery</b>	-	-	-	-	-	-	-
Agricultural and garden machinery	-	-	-	-	-	-	-
Harvesting and threshing machinery	-	-	-	-	-	-	-
Balers agricultural	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Combines	-	-	-	-	-	-	-
Mowing machinery	-	-	-	-	-	-	-
Lawn mowers nonriding, powered	-	-	-	-	-	-	-
Lawn mowers riding	-	-	-	-	-	-	-
Brush hogs tractor	-	-	-	-	-	-	-
Mower tractor, n.e.c.	-	-	-	-	-	-	-
Plowing, planting, and fertilizing machinery	-	-	-	-	-	-	-
Plowing and cultivating machinery	-	-	-	-	-	-	-
Seed planting machinery	-	-	-	-	-	-	-
Spreading machinery agricultural	-	-	-	-	-	-	-
Other agricultural and garden machinery	-	-	-	-	-	-	-
Spraying and dusting machinery agricultural	-	-	-	-	-	-	-
Construction, logging, and mining machinery	-	-	-	-	-	-	-
Excavating machinery	-	-	-	-	-	-	-
Backhoes, trackhoes	-	-	-	-	-	-	-
Bulldozers	-	-	-	-	-	-	-
Front and power shovels	-	-	-	-	-	-	-
Mini excavators	-	-	-	-	-	-	-
Trenchers	-	-	-	-	-	-	-
Loaders	-	-	-	-	-	-	-
Bucket, front-end, end, and pay loaders	-	-	-	-	-	-	-
Skid steer loaders, mini loaders	-	-	-	-	-	-	-
Logging and wood processing machinery specialized	-	-	-	-	-	-	-
Mechanical harvesters logging	-	-	-	-	-	-	-
Forwarding and yarding machinery, except feller-forwarders	-	-	-	-	-	-	-
Skidders cable and grapple	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Chippers	-	-	-	-	-	-	-
Log loaders	-	-	-	-	-	-	-
Mining and drilling machinery	-	-	-	-	-	-	-
Drilling machines, drilling augers	-	-	-	-	-	-	-
Mineral sorters, separators, concentrators	-	-	-	-	-	-	-
Tunneling machines	-	-	-	-	-	-	-
Oil drilling rigs and machinery	-	-	-	-	-	-	-
Road grading and surfacing machinery	-	-	-	-	-	-	-
Asphalt and concrete spreaders	-	-	-	-	-	-	-
Asphalt and concrete paving machines, pavers	-	-	-	-	-	-	-
Rollers, compactors construction	-	-	-	-	-	-	-
Graders, scrapers construction	-	-	-	-	-	-	-
Milling machines, cold planers, and road profilers	-	-	-	-	-	-	-
Other construction, logging, and mining machinery	-	-	-	-	-	-	-
Agitators, mixers earth, mineral	-	-	-	-	-	-	-
Compactors, crushers, pulverizers earth, mineral	-	-	-	-	-	-	-
Pile drivers, tamping machinery	-	-	-	-	-	-	-
Heating, cooling, and cleaning machinery and appliances	-	-	-	-	-	-	-
Cooling and humidifying machinery and appliances	-	-	-	-	-	-	-
Air conditioning units	-	-	-	-	-	-	-
Fans, blowers wall, floor, ceiling, ventilation	-	-	-	-	-	-	-
Refrigerators, freezers, ice makers	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heating and cooking machinery and appliances	-	-	-	-	-	-	-
Furnaces, heaters	-	-	-	-	-	-	-
Kilns	-	-	-	-	-	-	-
Ranges, cooking ovens, grills, toasters, food warmers	-	-	-	-	-	-	-
Washers, dryers, and cleaning machinery and appliances	-	-	-	-	-	-	-
Vacuum cleaners	-	-	-	-	-	-	-
Material and personnel handling machinery	-	-	-	-	-	-	-
Conveyors gravity and nonpowered	-	-	-	-	-	-	-
Chutes	-	-	-	-	-	-	-
Conveyors roller	-	-	-	-	-	-	-
Conveyors powered	-	-	-	-	-	-	-
Conveyors belt	-	-	-	-	-	-	-
Conveyors chain	-	-	-	-	-	-	-
Conveyors live roller	-	-	-	-	-	-	-
Conveyors pneumatic	-	-	-	-	-	-	-
Conveyors screw, auger	-	-	-	-	-	-	-
Cranes	-	-	-	-	-	-	-
Cranes truck-mounted	-	-	-	-	-	-	-
Cranes floating, barge mounted	-	-	-	-	-	-	-
Cranes other mobile cranes	-	-	-	-	-	-	-
Cranes tower, self-erecting, portal, pillar, hammerhead	-	-	-	-	-	-	-
Cranes gantry, overhead, monorail, container	-	-	-	-	-	-	-
Cranes other fixed or stationary cranes	-	-	-	-	-	-	-
Overhead hoists	-	-	-	-	-	-	-
Overhead hoists electric powered	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Overhead hoists manual	-	-	-	-	-	-	-
Elevators, hoists, aerial lifts, personnel platforms except truck-mounted	-	-	-	-	-	-	-
Elevators	-	-	-	-	-	-	-
Manlifts	-	-	-	-	-	-	-
Automobile lifts and hoists	-	-	-	-	-	-	-
Material and personnel hoists	-	-	-	-	-	-	-
Aerial lifts, scissor lifts except truck-mounted	-	-	-	-	-	-	-
Jacks	-	-	-	-	-	-	-
Ski lifts, nonrail amusement rides	-	-	-	-	-	-	-
Ski lifts, gondola rides	-	-	-	-	-	-	-
Nonrail amusement rides	-	-	-	-	-	-	-
Other material and personnel handling machinery	-	-	-	-	-	-	-
Banding, baling, strapping machinery	-	-	-	-	-	-	-
Metal, woodworking, and special material machinery	-	-	-	-	-	-	-
Bending, rolling, shaping machinery	-	-	-	-	-	-	-
Bending, crimping machines	-	-	-	-	-	-	-
Boring, drilling, planing, milling machinery	-	-	-	-	-	-	-
Planing mills	-	-	-	-	-	-	-
Milling machines	-	-	-	-	-	-	-
Extruding, injecting, forming, molding machinery	-	-	-	-	-	-	-
Casting machinery	-	-	-	-	-	-	-
Forging machinery	-	-	-	-	-	-	-
Plastic injection molding machinery	-	-	-	-	-	-	-
Grinding, polishing machinery	-	-	-	-	-	-	-
Grinders, abraders	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Lathes	-	-	-	-	-	-	-
Metalworking lathes	-	-	-	-	-	-	-
Presses, except printing	-	-	-	-	-	-	-
Assembly presses	-	-	-	-	-	-	-
Brake presses	-	-	-	-	-	-	-
Punch presses	-	-	-	-	-	-	-
Sawing machinery stationary	-	-	-	-	-	-	-
Band saws	-	-	-	-	-	-	-
Table saws	-	-	-	-	-	-	-
Other metal, woodworking, and special material machinery	-	-	-	-	-	-	-
Welding machinery	-	-	-	-	-	-	-
Office and business machinery	-	-	-	-	-	-	-
Office, banking, and retail machinery	-	-	-	-	-	-	-
Automated teller machines	-	-	-	-	-	-	-
Shredders	-	-	-	-	-	-	-
Special process machinery	-	-	-	-	-	-	-
Food and beverage processing machinery specialized	-	-	-	-	-	-	-
Mixers, blenders, whippers food and beverage	-	-	-	-	-	-	-
Packaging, bottling, wrapping machinery	-	-	-	-	-	-	-
Packaging, wrapping, bundling machinery	-	-	-	-	-	-	-
Paper production machinery	-	-	-	-	-	-	-
Printing machinery and equipment	-	-	-	-	-	-	-
Bindery machinery	-	-	-	-	-	-	-
Presses printing	-	-	-	-	-	-	-
Textile, apparel, leather production machinery	-	-	-	-	-	-	-
Other special process machinery	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Distilling and rectifying machinery	-	-	-	-	-	-	-
Pumps	-	-	-	-	-	-	-
Miscellaneous machinery	-	-	-	-	-	-	-
Audio and video equipment	-	-	-	-	-	-	-
Stationary telephones and communication equipment	-	-	-	-	-	-	-
Product testing, inspecting, and diagnostic machinery, n.e.c.	-	-	-	-	-	-	-
Other machinery	-	-	-	-	-	-	-
Air compressors	-	-	-	-	-	-	-
Trash compactors	-	-	-	-	-	-	-
<b>Parts and materials</b>	-	-	-	-	-	-	-
Building materials	-	-	-	-	-	-	-
Bricks, blocks, structural stone	-	-	-	-	-	-	-
Bricks and pavers	-	-	-	-	-	-	-
Concrete blocks, cinder blocks	-	-	-	-	-	-	-
Stone, marble, granite slabs	-	-	-	-	-	-	-
Structural stones or slabs, n.e.c.	-	-	-	-	-	-	-
Pipes, ducts, tubing	-	-	-	-	-	-	-
Concrete or clay pipes and conduits	-	-	-	-	-	-	-
Ducts	-	-	-	-	-	-	-
Metal pipes, tubing	-	-	-	-	-	-	-
Plastic, PVC, or rubber pipes and tubing	-	-	-	-	-	-	-
Structural metal materials	-	-	-	-	-	-	-
Angle irons	-	-	-	-	-	-	-
Bars, rods, reinforcing bar (rebar)	-	-	-	-	-	-	-
Beams unattached metal	-	-	-	-	-	-	-
Grates	-	-	-	-	-	-	-
Metal plates, metal panels	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Rails unattached metal	-	-	-	-	-	-	-
Tiles, shingles	-	-	-	-	-	-	-
Roof shingles, except tile	-	-	-	-	-	-	-
Wood, lumber	-	-	-	-	-	-	-
Dimensional lumber: 2x4, 2x3, etc.	-	-	-	-	-	-	-
Plywood, wood paneling; particle, chip, flake board	-	-	-	-	-	-	-
Wooden beams	-	-	-	-	-	-	-
Wood pieces, trim pieces, wood scraps, n.e.c.	-	-	-	-	-	-	-
Wooden stakes	-	-	-	-	-	-	-
Other building materials solid elements	-	-	-	-	-	-	-
Glass building materials	-	-	-	-	-	-	-
Gutters, downspouts	-	-	-	-	-	-	-
Siding aluminum, vinyl	-	-	-	-	-	-	-
Wallboard, drywall, sheetrock	-	-	-	-	-	-	-
Fasteners, connectors, ropes, ties	-	-	-	-	-	-	-
Fasteners	-	-	-	-	-	-	-
Nails, brads, tacks, nuts, bolts, washers	-	-	-	-	-	-	-
Ropes, ties, chains	-	-	-	-	-	-	-
Bands	-	-	-	-	-	-	-
Bungee cords	-	-	-	-	-	-	-
Chains, n.e.c.	-	-	-	-	-	-	-
Rope, twine, string	-	-	-	-	-	-	-
Strapping	-	-	-	-	-	-	-
Wire, cables nonelectrical	-	-	-	-	-	-	-
Valves, nozzles	-	-	-	-	-	-	-
Hoisting accessories	-	-	-	-	-	-	-
Hooks, shackles, magnets, clamshells	-	-	-	-	-	-	-
Slings	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Machine, tool, and electric parts	-	-	-	-	-	-	-
Electric parts	-	-	-	-	-	-	-
Electrical wiring building	-	-	-	-	-	-	-
Generators	-	-	-	-	-	-	-
Power lines, transformers, convertors	-	-	-	-	-	-	-
Switchboards, switches, fuses	-	-	-	-	-	-	-
Power cords, electrical cords, extension cords	-	-	-	-	-	-	-
Machine and appliance parts	-	-	-	-	-	-	-
Dies, molds, patterns	-	-	-	-	-	-	-
Drives chain, leather, fabric, vee belt	-	-	-	-	-	-	-
Drums, pulleys, sheaves	-	-	-	-	-	-	-
Engines, turbines, except vehicle	-	-	-	-	-	-	-
Gears	-	-	-	-	-	-	-
Rollers	-	-	-	-	-	-	-
Metal materials nonstructural	-	-	-	-	-	-	-
Metal sheets, ingots, bars nonstructural	-	-	-	-	-	-	-
Molten or hot metals, slag	-	-	-	-	-	-	-
Tars, sealants, caulking, insulation	-	-	-	-	-	-	-
Roofing asphalt, roofing tar	-	-	-	-	-	-	-
Foam caulking, foam insulation	-	-	-	-	-	-	-
Tarps and sheeting nonmetal	-	-	-	-	-	-	-
Tarps, plastic or fabric sheeting	-	-	-	-	-	-	-
Plastic wrap	-	-	-	-	-	-	-
Vehicle and mobile equipment parts	-	-	-	-	-	-	-
Tires, inner tubes, wheels	-	-	-	-	-	-	-
Tires, except bike	-	-	-	-	-	-	-
Wheels, tire rims	-	-	-	-	-	-	-
Engine parts and accessories	-	-	-	-	-	-	-
Battery vehicle	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Engine, engine block, motor vehicle	-	-	-	-	-	-	-
Transmission vehicle	-	-	-	-	-	-	-
Trailers	-	-	-	-	-	-	-
Vehicle doors, liftgates, tailgates	-	-	-	-	-	-	-
Liftgates	-	-	-	-	-	-	-
Other parts and materials	-	-	-	-	-	-	-
Caps, lids, covers	-	-	-	-	-	-	-
Container caps, lids, covers	-	-	-	-	-	-	-
Manhole and cistern covers	-	-	-	-	-	-	-
<b>Persons, plants, animals, and minerals</b>	-	-	-	-	-	-	-
Animals	-	-	-	-	-	-	-
Birds and fowl	-	-	-	-	-	-	-
Insects, arachnids, mites	-	-	-	-	-	-	-
Bees, hornets, wasps	-	-	-	-	-	-	-
Mammals	-	-	-	-	-	-	-
Dogs, canines domestic	-	-	-	-	-	-	-
Cattle and other bovines	-	-	-	-	-	-	-
Horses and other equines	-	-	-	-	-	-	-
Rodents	-	-	-	-	-	-	-
Deer and other cervids	-	-	-	-	-	-	-
Animal and plant byproducts	-	-	-	-	-	-	-
Animal products nonfood	-	-	-	-	-	-	-
Animal waste products	-	-	-	-	-	-	-
Food products	-	-	-	-	-	-	-
Fats, oils, cooking greases	-	-	-	-	-	-	-
Fruits, nuts, vegetables	-	-	-	-	-	-	-
Grains, cereals, grain mill products	-	-	-	-	-	-	-
Infectious and parasitic agents	-	-	-	-	-	-	-
Viruses	-	-	-	-	-	-	-
Nonmetallic minerals, except fuel	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Boulders	-	-	-	-	-	-	-
Dirt, earth	-	-	-	-	-	-	-
Mud	-	-	-	-	-	-	-
Rocks, crushed stone	-	-	-	-	-	-	-
Sand, gravel	-	-	-	-	-	-	-
Silica	-	-	-	-	-	-	-
Person injured or ill worker	-	-	-	-	-	-	-
Bodily conditions of injured, ill worker	-	-	-	-	-	-	-
Bodily motion or position of injured, ill worker	-	-	-	-	-	-	-
Person, other than injured or ill worker	-	-	-	-	-	-	-
Co-worker or work associate of injured or ill worker	-	-	-	-	-	-	-
Co-worker	-	-	-	-	-	-	-
Work associate	-	-	-	-	-	-	-
Student	-	-	-	-	-	-	-
Patient	-	-	-	-	-	-	-
Other client or customer	-	-	-	-	-	-	-
Plants, trees, vegetation	-	-	-	-	-	-	-
Cash grain crops	-	-	-	-	-	-	-
Shrubs, grasses	-	-	-	-	-	-	-
Trees, logs, limbs	-	-	-	-	-	-	-
Trees	-	-	-	-	-	-	-
Logs	-	-	-	-	-	-	-
Limbs, branches unattached	-	-	-	-	-	-	-
Other plants trees vegetation not processed	-	-	-	-	-	-	-
Grain dust	-	-	-	-	-	-	-
<b>Structures and surfaces</b>	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Confined spaces <sup>21</sup>	-	-	-	-	-	-	-
Ditches, channels, trenches, excavations	-	-	-	-	-	-	-
Mines, caves, tunnels	-	-	-	-	-	-	-
Underground mines, mine tunnels	-	-	-	-	-	-	-
Sewers, manholes, storm drains	-	-	-	-	-	-	-
Wells, cisterns	-	-	-	-	-	-	-
Pipeline interiors	-	-	-	-	-	-	-
Manure pits	-	-	-	-	-	-	-
Spray, paint booths	-	-	-	-	-	-	-
Tank, bin, vat interiors	-	-	-	-	-	-	-
Silo, grain bin interiors	-	-	-	-	-	-	-
Grain elevator interiors	-	-	-	-	-	-	-
Septic tank or water tank interiors	-	-	-	-	-	-	-
Oil storage tank interiors	-	-	-	-	-	-	-
Hopper interiors	-	-	-	-	-	-	-
Confined spaces on vehicles	-	-	-	-	-	-	-
Confined spaces on ships, water vessels	-	-	-	-	-	-	-
Tanker truck interiors	-	-	-	-	-	-	-
Other confined spaces	-	-	-	-	-	-	-
Crawl spaces	-	-	-	-	-	-	-
Building	-	-	-	-	-	-	-
Industrial building	-	-	-	-	-	-	-
Warehouse	-	-	-	-	-	-	-
Factory, manufacturing plant	-	-	-	-	-	-	-
Offshore oil platform	-	-	-	-	-	-	-
Agricultural building	-	-	-	-	-	-	-
Barn	-	-	-	-	-	-	-
Silo exterior	-	-	-	-	-	-	-
Grain bin exterior	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Commercial or retail building	-	-	-	-	-	-	-
Restaurant, bar	-	-	-	-	-	-	-
Retail establishment, store, mall	-	-	-	-	-	-	-
Hotel, motel, lodging establishment	-	-	-	-	-	-	-
Medical building, except institutional residential	-	-	-	-	-	-	-
Hospital	-	-	-	-	-	-	-
Residential building, except institutionalized	-	-	-	-	-	-	-
House, townhouse, rowhouse	-	-	-	-	-	-	-
High-rise apartment building, condominium	-	-	-	-	-	-	-
Low or mid-rise apartment building, condominium	-	-	-	-	-	-	-
Mobile or prefabricated home	-	-	-	-	-	-	-
Other public or office building	-	-	-	-	-	-	-
Skyscraper, high-rise except government	-	-	-	-	-	-	-
Low or mid-rise office building except government	-	-	-	-	-	-	-
Government building, post office	-	-	-	-	-	-	-
Institutionalized residential building, except jails	-	-	-	-	-	-	-
Structures other than buildings	-	-	-	-	-	-	-
Bridges, dams, locks	-	-	-	-	-	-	-
Grandstands, stadia	-	-	-	-	-	-	-
Pools	-	-	-	-	-	-	-
Scaffolds staging	-	-	-	-	-	-	-
Scaffolds improvised staging	-	-	-	-	-	-	-
Scaffolds self-supporting staging	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Scaffolds staging supported by structure or other means	-	-	-	-	-	-	-
Scaffolds suspended staging	-	-	-	-	-	-	-
Machine platforms	-	-	-	-	-	-	-
Catwalks	-	-	-	-	-	-	-
Towers, poles	-	-	-	-	-	-	-
Telecommunications and cell phone towers	-	-	-	-	-	-	-
Utility and telephone poles	-	-	-	-	-	-	-
Lamp posts, street lights	-	-	-	-	-	-	-
Windmills, wind turbines	-	-	-	-	-	-	-
Excavations, strip mines, and quarries (except confined space)	-	-	-	-	-	-	-
Other structures	-	-	-	-	-	-	-
Guardrails, road dividers	-	-	-	-	-	-	-
Posts, bollards, moorings	-	-	-	-	-	-	-
Hydrants	-	-	-	-	-	-	-
Road signs	-	-	-	-	-	-	-
Porches, balconies, decks, patios	-	-	-	-	-	-	-
Railroad tracks	-	-	-	-	-	-	-
Mailboxes	-	-	-	-	-	-	-
Building systems	-	-	-	-	-	-	-
Climate control systems	-	-	-	-	-	-	-
Other structural elements	-	-	-	-	-	-	-
Entrances and exits	-	-	-	-	-	-	-
Doors, except garage and vehicle	-	-	-	-	-	-	-
Garage doors	-	-	-	-	-	-	-
Fences, fence panels, gates	-	-	-	-	-	-	-
Chain-link fences, panels	-	-	-	-	-	-	-
Barbed-wire fences	-	-	-	-	-	-	-
Wooden fences, panels	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Gates	-	-	-	-	-	-	-
Windows, openings	-	-	-	-	-	-	-
Roofs	-	-	-	-	-	-	-
Existing roof openings, other than skylights	-	-	-	-	-	-	-
Roof surfaces other than roof edge	-	-	-	-	-	-	-
Roof edges	-	-	-	-	-	-	-
Trusses, girders, beams structurally attached	-	-	-	-	-	-	-
Girders, beams, structural steel	-	-	-	-	-	-	-
Roof trusses, joists	-	-	-	-	-	-	-
Ceilings, walls	-	-	-	-	-	-	-
Ceilings	-	-	-	-	-	-	-
Walls	-	-	-	-	-	-	-
Handrails, banisters	-	-	-	-	-	-	-
Elevator shafts	-	-	-	-	-	-	-
Floors, walkways, ground surfaces	-	-	-	-	-	-	-
Stairs, steps	-	-	-	-	-	-	-
Stairs, steps indoors	-	-	-	-	-	-	-
Stairs, steps outdoors	-	-	-	-	-	-	-
Floor	-	-	-	-	-	-	-
Existing floor opening	-	-	-	-	-	-	-
Floor irregularity	-	-	-	-	-	-	-
Ground	-	-	-	-	-	-	-
Ground irregularity	-	-	-	-	-	-	-
Sidewalks, paths, outdoor walkways	-	-	-	-	-	-	-
Sidewalk, path, or outdoor walkway irregularity	-	-	-	-	-	-	-
Sidewalk, path, outdoor walkway paved	-	-	-	-	-	-	-
Sidewalk, path, outdoor walkway unpaved	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Street, road, driveway	-	-	-	-	-	-	-
Street, road, or driveway irregularity	-	-	-	-	-	-	-
Street, road, driveway paved	-	-	-	-	-	-	-
Street, road, driveway unpaved	-	-	-	-	-	-	-
Parking lot	-	-	-	-	-	-	-
Parking lot irregularity	-	-	-	-	-	-	-
Parking lot paved	-	-	-	-	-	-	-
Parking lot unpaved	-	-	-	-	-	-	-
Curbs, traffic calming bumps, embankments	-	-	-	-	-	-	-
Curbs	-	-	-	-	-	-	-
Concrete parking blocks and barriers	-	-	-	-	-	-	-
Berms	-	-	-	-	-	-	-
Embankments	-	-	-	-	-	-	-
Culverts, nonconfined ditches	-	-	-	-	-	-	-
Other floors, walkways, ground surfaces	-	-	-	-	-	-	-
Piers, wharfs	-	-	-	-	-	-	-
Ramps, loading docks, dock plates	-	-	-	-	-	-	-
Grates and drains in floor surface	-	-	-	-	-	-	-
Airport runways	-	-	-	-	-	-	-
Geographical structures	-	-	-	-	-	-	-
Raised natural structures, hills, mountains	-	-	-	-	-	-	-
Hills	-	-	-	-	-	-	-
Mountains	-	-	-	-	-	-	-
Recessed natural structures, valleys	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-
Water bodies natural	-	-	-	-	-	-	-
Natural ponds	-	-	-	-	-	-	-
Lakes	-	-	-	-	-	-	-
Rivers, streams	-	-	-	-	-	-	-
Oceans	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Tools, instruments, and equipment</b>	-	-	-	-	-	-	-
Handtools nonpowered	-	-	-	-	-	-	-
Cutting handtools nonpowered	-	-	-	-	-	-	-
Axes, hatchets	-	-	-	-	-	-	-
Bolt cutters nonpowered	-	-	-	-	-	-	-
Box cutters and razor knives	-	-	-	-	-	-	-
Knives or n.e.c.	-	-	-	-	-	-	-
Scissors, snips, shears nonpowered	-	-	-	-	-	-	-
Digging handtools nonpowered	-	-	-	-	-	-	-
Shovels	-	-	-	-	-	-	-
Gripping handtools nonpowered	-	-	-	-	-	-	-
Pliers, tongs	-	-	-	-	-	-	-
Vises, clamps	-	-	-	-	-	-	-
Striking and nailing handtools nonpowered	-	-	-	-	-	-	-
Hammers, except sledge nonpowered	-	-	-	-	-	-	-
Mallets	-	-	-	-	-	-	-
Sledges, sledgehammers	-	-	-	-	-	-	-
Surfacing handtools nonpowered	-	-	-	-	-	-	-
Scrapers nonpowered	-	-	-	-	-	-	-
Turning handtools nonpowered	-	-	-	-	-	-	-
Screwdrivers nonpowered	-	-	-	-	-	-	-
Wrenches nonpowered	-	-	-	-	-	-	-
Other handtools nonpowered	-	-	-	-	-	-	-
Brooms, mops, and other cleaning tools	-	-	-	-	-	-	-
Crowbars	-	-	-	-	-	-	-
Pitchforks, spading forks	-	-	-	-	-	-	-
Handtools powered	-	-	-	-	-	-	-
Boring handtools powered	-	-	-	-	-	-	-
Augers, plumbing snakes powered	-	-	-	-	-	-	-
Drills powered	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Cutting handtools powered	-	-	-	-	-	-	-
Chainsaws powered	-	-	-	-	-	-	-
Saws powered, except chainsaws	-	-	-	-	-	-	-
Striking and nailing handtools powered	-	-	-	-	-	-	-
Jackhammers powered	-	-	-	-	-	-	-
Nail guns powered	-	-	-	-	-	-	-
Surfacing handtools powered	-	-	-	-	-	-	-
Buffers, polishers, waxers powered	-	-	-	-	-	-	-
Hand grinders powered	-	-	-	-	-	-	-
Sanders powered	-	-	-	-	-	-	-
Sandblasters powered	-	-	-	-	-	-	-
Welding and heating handtools powered	-	-	-	-	-	-	-
Welding, cutting, and blow torches	-	-	-	-	-	-	-
Other handtools powered	-	-	-	-	-	-	-
Power washers	-	-	-	-	-	-	-
Handtools power not determined	-	-	-	-	-	-	-
Turning handtools power not determined	-	-	-	-	-	-	-
Screwdrivers power not determined	-	-	-	-	-	-	-
Wrenches power not determined	-	-	-	-	-	-	-
Ladders	-	-	-	-	-	-	-
Ladders fixed	-	-	-	-	-	-	-
Movable ladders	-	-	-	-	-	-	-
Extension ladders	-	-	-	-	-	-	-
Step ladders	-	-	-	-	-	-	-
Truck mounted ladders, aerial ladder trams	-	-	-	-	-	-	-
Medical and surgical instruments and equipment	-	-	-	-	-	-	-
Medical sharps instruments	-	-	-	-	-	-	-
Needles, syringes	-	-	-	-	-	-	-
Scalpels	-	-	-	-	-	-	-
Patient hoists, lifting harnesses	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Photographic, athletic, and recreational equipment	-	-	-	-	-	-	-
Photographic equipment	-	-	-	-	-	-	-
Projectors still and motion picture	-	-	-	-	-	-	-
Writing, drawing, and art supplies	-	-	-	-	-	-	-
Pens and pencils	-	-	-	-	-	-	-
Recreation and athletic equipment	-	-	-	-	-	-	-
Balls, pucks	-	-	-	-	-	-	-
Baseball bats, hockey sticks, rackets	-	-	-	-	-	-	-
Snow sports equipment	-	-	-	-	-	-	-
Water sports equipment	-	-	-	-	-	-	-
Protective equipment, except clothing	-	-	-	-	-	-	-
Lifelines, lanyards, safety belts, harnesses	-	-	-	-	-	-	-
Respirators	-	-	-	-	-	-	-
Firearms, law enforcement, and other self-defense equipment	-	-	-	-	-	-	-
Firearm	-	-	-	-	-	-	-
Pistol, handgun, revolver	-	-	-	-	-	-	-
Rifle, shotgun	-	-	-	-	-	-	-
Explosive devices	-	-	-	-	-	-	-
Other law enforcement and self-defense equipment	-	-	-	-	-	-	-
Tear gas, mace, pepper spray	-	-	-	-	-	-	-
Other tools, instruments, and equipment	-	-	-	-	-	-	-
Musical instrument	-	-	-	-	-	-	-
Fishing equipment	-	-	-	-	-	-	-
Commercial fishing equipment	-	-	-	-	-	-	-
<b>Vehicle</b>	-	-	-	-	-	-	-
Aircraft	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Airplane powered fixed wing	-	-	-	-	-	-	-
Airplane jet or turbine engine	-	-	-	-	-	-	-
Airplane propeller-driven or piston engine	-	-	-	-	-	-	-
Aircraft powered rotary wing	-	-	-	-	-	-	-
Helicopter	-	-	-	-	-	-	-
Aircraft nonpowered	-	-	-	-	-	-	-
Glider, hang glider nonpowered	-	-	-	-	-	-	-
Parachute	-	-	-	-	-	-	-
Rail vehicle	-	-	-	-	-	-	-
Streetcar, trolley, cable car, light rail	-	-	-	-	-	-	-
Subway, elevated train	-	-	-	-	-	-	-
Train, locomotive, rail car	-	-	-	-	-	-	-
Freight train	-	-	-	-	-	-	-
Passenger train, heavy rail	-	-	-	-	-	-	-
Locomotive unattached to rail car(s)	-	-	-	-	-	-	-
Rail car(s) unattached to locomotive	-	-	-	-	-	-	-
Industrial, mining rail vehicle	-	-	-	-	-	-	-
Water vehicle	-	-	-	-	-	-	-
Barge	-	-	-	-	-	-	-
Commercial fishing vessel	-	-	-	-	-	-	-
Tugboat, towboat	-	-	-	-	-	-	-
Cargo ship, freighter, passenger liner, ship, excluding sail-powered	-	-	-	-	-	-	-
Motorboat, motorized yacht	-	-	-	-	-	-	-
Highway vehicle, motorized	-	-	-	-	-	-	-
Passenger vehicle	-	-	-	-	-	-	-
Ambulance, police, and other emergency passenger vehicle	-	-	-	-	-	-	-
Taxi	-	-	-	-	-	-	-
Automobile	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Bus	-	-	-	-	-	-	-
Passenger van	-	-	-	-	-	-	-
Motorcycle, moped, dirt bike	-	-	-	-	-	-	-
Motor home, RV	-	-	-	-	-	-	-
Truck motorized freight hauling and utility	-	-	-	-	-	-	-
Semi, tractor-trailer, tanker truck	-	-	-	-	-	-	-
Boom truck, bucket or basket hoist truck	-	-	-	-	-	-	-
Dump truck	-	-	-	-	-	-	-
Garbage, recycling, or refuse truck	-	-	-	-	-	-	-
Fire truck, other emergency equipment truck	-	-	-	-	-	-	-
Delivery truck or van	-	-	-	-	-	-	-
Cement truck, concrete mixer truck	-	-	-	-	-	-	-
Tow truck	-	-	-	-	-	-	-
Multi-purpose highway vehicle	-	-	-	-	-	-	-
Pickup truck	-	-	-	-	-	-	-
SUV, sports utility vehicle	-	-	-	-	-	-	-
Animal- or human-powered vehicle	-	-	-	-	-	-	-
Bicycle, pedal cycle	-	-	-	-	-	-	-
Off-road and industrial vehicle - powered	-	-	-	-	-	-	-
Off-road passenger vehicle - powered	-	-	-	-	-	-	-
ATV, all terrain vehicle	-	-	-	-	-	-	-
Racecar	-	-	-	-	-	-	-
Snowmobile	-	-	-	-	-	-	-
Industrial vehicle, material hauling and transport - powered	-	-	-	-	-	-	-
Forklift, order picker, platform truck - powered	-	-	-	-	-	-	-
Powered industrial carrier	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Airport utility vehicle - powered	-	-	-	-	-	-	-
Tractors, PTOs	-	-	-	-	-	-	-
Farm tractor	-	-	-	-	-	-	-
Construction tractor	-	-	-	-	-	-	-
Industrial tractor	-	-	-	-	-	-	-
Power take-off (PTO)	-	-	-	-	-	-	-
Plant and industrial vehicle - nonpowered	-	-	-	-	-	-	-
Cart, dolly, hand truck - nonpowered	-	-	-	-	-	-	-
Pallet jack- nonpowered	-	-	-	-	-	-	-
Wagon	-	-	-	-	-	-	-
Wheelbarrow	-	-	-	-	-	-	-
Other vehicles	-	-	-	-	-	-	-
Armored personnel carrier	-	-	-	-	-	-	-
Humvee	-	-	-	-	-	-	-
Street sweeping and cleaning machinery	-	-	-	-	-	-	-
<b>Other sources</b>	-	-	-	-	-	-	-
Apparel and textiles	-	-	-	-	-	-	-
Clothing	-	-	-	-	-	-	-
Belts, gloves, neckties, scarves	-	-	-	-	-	-	-
Blouses, shirts, dresses, trousers, skirts	-	-	-	-	-	-	-
Shoes, boots, slippers, sandals	-	-	-	-	-	-	-
Suits, coats, jackets	-	-	-	-	-	-	-
Eye glasses, jewelry, and watches	-	-	-	-	-	-	-
Jewelry, ID badge lanyards	-	-	-	-	-	-	-
Textiles	-	-	-	-	-	-	-
Fabric	-	-	-	-	-	-	-
Sheets, towels, linens, bedding	-	-	-	-	-	-	-
Environmental and elemental conditions	-	-	-	-	-	-	-
Air pressure	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Pressurized air blast	-	-	-	-	-	-	-
Avalanche, mudslide	-	-	-	-	-	-	-
Fire, flame, smoke	-	-	-	-	-	-	-
Fire, flame	-	-	-	-	-	-	-
Multiple fire, flame, smoke	-	-	-	-	-	-	-
Flooding and other water sources	-	-	-	-	-	-	-
Flooding	-	-	-	-	-	-	-
Waves, surges, rough seas	-	-	-	-	-	-	-
Pressurized water blast	-	-	-	-	-	-	-
Temperature extremes environmental	-	-	-	-	-	-	-
Heat environmental	-	-	-	-	-	-	-
Weather and atmospheric conditions	-	-	-	-	-	-	-
Fog	-	-	-	-	-	-	-
High winds, gusts, turbulence	-	-	-	-	-	-	-
Ice, sleet, snow	-	-	-	-	-	-	-
Lightning	-	-	-	-	-	-	-
Rain	-	-	-	-	-	-	-
Tornado, hurricane, typhoon	-	-	-	-	-	-	-
Multiple weather and atmospheric conditions	-	-	-	-	-	-	-
Other environmental and elemental conditions	-	-	-	-	-	-	-
Sun	-	-	-	-	-	-	-
Welders flash	-	-	-	-	-	-	-
Oxygen-deficient environment	-	-	-	-	-	-	-
Paper, books, magazines	-	-	-	-	-	-	-
Paper, sheets	-	-	-	-	-	-	-
Scrap, waste, debris	-	-	-	-	-	-	-
Chips, particles, splinters	-	-	-	-	-	-	-
Dirt particles and dust from dirt, debris	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Wood chips, sawdust	-	-	-	-	-	-	-
Construction debris	-	-	-	-	-	-	-
Trash, garbage	-	-	-	-	-	-	-
Scrap metal	-	-	-	-	-	-	-
Steam, vapor, liquids, ice	-	-	-	-	-	-	-
Steam, vapors nonchemical	-	-	-	-	-	-	-
Liquids	-	-	-	-	-	-	-
Water	-	-	-	-	-	-	-
Ice blocks, cubes, crushed	-	-	-	-	-	-	-
<b>Not reported</b>	5,575	5,764	5,734	5,840	5,657	5,214	4,551
<b>Nature 2011<sup>19</sup></b>							
<b>Traumatic injuries and disorders</b>	-	-	-	-	-	-	-
Traumatic injuries to bones, nerves, spinal cord	-	-	-	-	-	-	-
Fractures	-	-	-	-	-	-	-
Traumatic injuries to spinal cord	-	-	-	-	-	-	-
Paralysis, paraplegia, quadriplegia	-	-	-	-	-	-	-
Traumatic injuries to nerves, except the spinal cord	-	-	-	-	-	-	-
Pinched nerve	-	-	-	-	-	-	-
Multiple traumatic injuries to bones, nerves, spinal cord	-	-	-	-	-	-	-
Traumatic injuries to muscles, tendons, ligaments, joints, etc.	-	-	-	-	-	-	-
Dislocations	-	-	-	-	-	-	-
Herniated discs	-	-	-	-	-	-	-
Dislocation of joints	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Cartilage fractures and tears	-	-	-	-	-	-	-
Meniscus tears	-	-	-	-	-	-	-
Sprains, strains, tears	-	-	-	-	-	-	-
Major tears to muscles, tendons, ligaments	-	-	-	-	-	-	-
Sprains	-	-	-	-	-	-	-
Strains	-	-	-	-	-	-	-
Multiple sprains, strains, tears	-	-	-	-	-	-	-
Hernias due to traumatic incidents	-	-	-	-	-	-	-
Whiplash	-	-	-	-	-	-	-
Multiple traumatic injuries to muscles, tendons, ligaments, joints, etc.	-	-	-	-	-	-	-
Open wounds	-	-	-	-	-	-	-
Amputations, avulsions, enucleations	-	-	-	-	-	-	-
Amputations	-	-	-	-	-	-	-
Avulsions, enucleations	-	-	-	-	-	-	-
Cuts, lacerations	-	-	-	-	-	-	-
Puncture wounds, except gunshot wounds	-	-	-	-	-	-	-
Gunshot wounds	-	-	-	-	-	-	-
Multiple types of open wounds	-	-	-	-	-	-	-
Surface wounds and bruises	-	-	-	-	-	-	-
Abrasions, scratches	-	-	-	-	-	-	-
Bruises, contusions	-	-	-	-	-	-	-
Burns and corrosions	-	-	-	-	-	-	-
Chemical burns and corrosions	-	-	-	-	-	-	-
First degree chemical burns and corrosions	-	-	-	-	-	-	-
Second degree chemical burns and corrosions	-	-	-	-	-	-	-
Third or fourth degree chemical burns and corrosions	-	-	-	-	-	-	-



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Heat (thermal) burns	-	-	-	-	-	-	-
First degree heat (thermal) burns	-	-	-	-	-	-	-
Second degree heat (thermal) burns	-	-	-	-	-	-	-
Third or fourth degree heat (thermal) burns	-	-	-	-	-	-	-
Electrical burns	-	-	-	-	-	-	-
Second degree electrical burns	-	-	-	-	-	-	-
Third or fourth degree electrical burns	-	-	-	-	-	-	-
Other burns	-	-	-	-	-	-	-
Other burns, third or fourth degree	-	-	-	-	-	-	-
Intracranial injuries	-	-	-	-	-	-	-
Cerebral and other intracranial hemorrhages	-	-	-	-	-	-	-
Concussions	-	-	-	-	-	-	-
Multiple intracranial injuries	-	-	-	-	-	-	-
Skull fracture and intracranial injury	-	-	-	-	-	-	-
Effects of environmental conditions	-	-	-	-	-	-	-
Effects of reduced temperature	-	-	-	-	-	-	-
Frostbite	-	-	-	-	-	-	-
Hypothermia	-	-	-	-	-	-	-
Multiple effects of reduced temperature	-	-	-	-	-	-	-
Effects of heat and light	-	-	-	-	-	-	-
Heat stroke	-	-	-	-	-	-	-
Heat exhaustion, prostration	-	-	-	-	-	-	-
Effects of air or water pressure	-	-	-	-	-	-	-
Caisson disease, bends, divers' palsy	-	-	-	-	-	-	-
Multiple effects of environmental conditions	-	-	-	-	-	-	-
Multiple traumatic injuries and disorders	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Cuts and abrasions or bruises	-	-	-	-	-	-	-
Fractures and other injuries	-	-	-	-	-	-	-
Fractures (except skull fractures) and concussions	-	-	-	-	-	-	-
Fractures (except rib, trunk fractures) and internal injuries	-	-	-	-	-	-	-
Fractures and burns	-	-	-	-	-	-	-
Fractures and dislocations	-	-	-	-	-	-	-
Burns and other injuries, except fractures	-	-	-	-	-	-	-
Burns and smoke inhalation	-	-	-	-	-	-	-
Intracranial injuries and injuries to internal organs	-	-	-	-	-	-	-
Other traumatic injuries and disorders	-	-	-	-	-	-	-
Asphyxiations, strangulations, suffocations	-	-	-	-	-	-	-
Drownings	-	-	-	-	-	-	-
Electrocutions, electric shocks	-	-	-	-	-	-	-
Internal injuries to organs and blood vessels of the trunk	-	-	-	-	-	-	-
Poisoning, toxic, noxious, or allergenic effect	-	-	-	-	-	-	-
Poisoning, including poisoning-related asphyxia	-	-	-	-	-	-	-
Anaphylactic shock, anaphylaxis	-	-	-	-	-	-	-
Other respiratory system symptoms-toxic, noxious, or allergenic effect	-	-	-	-	-	-	-
Other or unspecified allergic reactions	-	-	-	-	-	-	-
Multiple poisoning, toxic, noxious, or allergenic effects	-	-	-	-	-	-	-
Crushing injuries	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic		2003	2004	2005	2006	2007	2008	2009
Soreness, pain, hurt nonspecified injury		-	-	-	-	-	-	-
Other traumatic injuries and disorders, n.e.c.		-	-	-	-	-	-	-
Traumatic shock		-	-	-	-	-	-	-
<b>Part of body 2011<sup>19</sup></b>								
<b>Head</b>		-	-	-	-	-	-	-
Cranial region		-	-	-	-	-	-	-
Brain		-	-	-	-	-	-	-
Scalp		-	-	-	-	-	-	-
Skull		-	-	-	-	-	-	-
Multiple cranial region locations		-	-	-	-	-	-	-
Ear(s)		-	-	-	-	-	-	-
Face		-	-	-	-	-	-	-
Forehead		-	-	-	-	-	-	-
Eye(s)		-	-	-	-	-	-	-
Nose, except internal location of diseases or disorders		-	-	-	-	-	-	-
Cheek(s)		-	-	-	-	-	-	-
Jaw, chin		-	-	-	-	-	-	-
Mouth		-	-	-	-	-	-	-
Gum		-	-	-	-	-	-	-
Multiple mouth locations		-	-	-	-	-	-	-
Multiple face locations		-	-	-	-	-	-	-
Multiple head locations		-	-	-	-	-	-	-
<b>Neck, except internal location of diseases or disorders</b>		-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Larynx	-	-	-	-	-	-	-
Trachea	-	-	-	-	-	-	-
Multiple internal neck locations	-	-	-	-	-	-	-
<b>Trunk</b>	-	-	-	-	-	-	-
Chest, except internal location of diseases or disorders	-	-	-	-	-	-	-
Internal chest location	-	-	-	-	-	-	-
Heart	-	-	-	-	-	-	-
Lung(s), pleura	-	-	-	-	-	-	-
Multiple internal chest locations	-	-	-	-	-	-	-
Back, including spine, spinal cord	-	-	-	-	-	-	-
Thoracic region	-	-	-	-	-	-	-
Lumbar region	-	-	-	-	-	-	-
Multiple back regions	-	-	-	-	-	-	-
Abdomen, except internal location of diseases or disorders	-	-	-	-	-	-	-
Spleen	-	-	-	-	-	-	-
Other digestive structures	-	-	-	-	-	-	-
Liver	-	-	-	-	-	-	-
Multiple internal abdominal locations	-	-	-	-	-	-	-
Pelvic region	-	-	-	-	-	-	-
Hip(s)	-	-	-	-	-	-	-
Pelvis	-	-	-	-	-	-	-
Groin	-	-	-	-	-	-	-
Multiple pelvic region locations	-	-	-	-	-	-	-
Multiple trunk locations	-	-	-	-	-	-	-
<b>Upper extremities</b>	-	-	-	-	-	-	-
Shoulder(s), including clavicle(s), scapula(e)	-	-	-	-	-	-	-
Arm(s)	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Upper arm(s)	-	-	-	-	-	-	-
Elbow(s)	-	-	-	-	-	-	-
Forearm(s)	-	-	-	-	-	-	-
Multiple arm locations	-	-	-	-	-	-	-
Elbow(s) and arms(s)	-	-	-	-	-	-	-
Wrist(s)	-	-	-	-	-	-	-
Hand(s)	-	-	-	-	-	-	-
Finger(s), fingernail(s)	-	-	-	-	-	-	-
Fingernail(s), nailbed(s)	-	-	-	-	-	-	-
Fingertip(s)	-	-	-	-	-	-	-
Hand(s) and finger(s)	-	-	-	-	-	-	-
Multiple upper extremities locations	-	-	-	-	-	-	-
Hand(s) and arm(s)	-	-	-	-	-	-	-
Hand(s) and wrist(s)	-	-	-	-	-	-	-
Wrist(s) and arm(s)	-	-	-	-	-	-	-
Wrist(s) and elbow(s)	-	-	-	-	-	-	-
Shoulder(s) and arm(s)	-	-	-	-	-	-	-
<b>Lower extremities</b>	-	-	-	-	-	-	-
Leg(s)	-	-	-	-	-	-	-
Thigh(s)	-	-	-	-	-	-	-
Knee(s)	-	-	-	-	-	-	-
Lower leg(s)	-	-	-	-	-	-	-
Multiple leg locations	-	-	-	-	-	-	-
Knee(s) and leg(s)	-	-	-	-	-	-	-
Ankle(s)	-	-	-	-	-	-	-
Foot (feet)	-	-	-	-	-	-	-
Sole(s)	-	-	-	-	-	-	-
Heel(s)	-	-	-	-	-	-	-
Toes(s), toenail(s)	-	-	-	-	-	-	-
Multiple foot (feet) locations	-	-	-	-	-	-	-

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Multiple lower extremities locations	-	-	-	-	-	-	-
Foot (feet) and ankle(s)	-	-	-	-	-	-	-
Ankle(s) and leg(s)	-	-	-	-	-	-	-
<b>Body systems</b>	-	-	-	-	-	-	-
<b>Multiple body parts</b>	-	-	-	-	-	-	-
Head and neck	-	-	-	-	-	-	-
Head, neck, and trunk	-	-	-	-	-	-	-
Head and trunk	-	-	-	-	-	-	-
Neck and back	-	-	-	-	-	-	-
Shoulder(s) and back	-	-	-	-	-	-	-
Hip(s) and leg(s)	-	-	-	-	-	-	-
Upper and lower limb(s)	-	-	-	-	-	-	-
Other multiple body parts	-	-	-	-	-	-	-
Whole body	-	-	-	-	-	-	-
<b>Worker activity</b>							
<b>Vehicular and transportation operations</b>	2,359	2,514	2,511	2,524	2,430	2,199	1,843
Driving, operating	1,495	1,568	1,617	1,588	1,605	1,363	1,131
Driving, operating automobile	260	260	222	214	234	190	171
Driving, operating aircraft	129	122	98	119	95	104	87
Driving, operating truck	804	841	922	865	924	772	617
Driving, operating industrial/construction vehicle	109	132	156	155	132	117	101
Driving, operating boat	20	13	20	27	19	25	19
Driving, operating train	-	6	6	4	-	4	4
Driving, operating bus	10	11	11	11	18	10	10
Driving, operating bicycle, motorcycle	30	30	21	45	26	37	19
Riding in, on	364	423	373	399	353	346	305

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Riding in, on automobile	28	21	27	20	21	19	10
Riding in, on aircraft	80	108	50	96	79	86	72
Riding in, on truck	122	145	148	147	116	121	97
Riding in, on industrial/construction vehicle	9	16	13	12	10	7	14
Riding in, on boat	57	70	64	62	53	56	69
Riding in, on train	8	7	9	8	5	8	5
Riding in, on bus	-	-	7	4	3	5	3
Riding in, on horse	12	11	9	10	15	11	11
Boarding, alighting	51	57	59	75	57	69	42
Boarding, alighting automobile	4	5	3	9	-	4	5
Boarding, alighting truck	29	28	32	23	26	43	24
Boarding, alighting industrial/construction vehicle	8	12	11	15	14	9	6
Boarding, alighting boat	-	-	3	12	5	-	6
Boarding, alighting bus	-	-	-	-	-	-	-
Boarding, alighting horse	-	-	-	-	-	-	-
Boarding, alighting other public vehicle (planes, trains)	-	-	-	6	3	-	-
Resurfacing, blacktopping, etc.	11	3	11	11	8	-	4
Directing, flagging traffic	52	43	56	42	35	42	37
Walking in or near roadway, etc. n.e.c.	119	174	168	204	185	149	118
Crossing street	27	31	22	37	31	21	13
Walking behind vehicle	34	77	57	80	61	50	45
Vehicular and transportation operations, n.e.c.	238	208	193	169	154	186	172
Driving, operating farm vehicle	201	166	149	139	120	145	141
Riding in, on farm vehicle	10	9	14	7	5	6	6
Boarding, alighting farm vehicle	6	7	10	6	9	11	5
<b>Using or operating tools, machinery</b>	<b>462</b>	<b>481</b>	<b>473</b>	<b>439</b>	<b>444</b>	<b>464</b>	<b>355</b>

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Operating heavy equipment	140	135	95	127	94	132	81
Operating hydraulic equipment	15	10	10	8	8	30	9
Operating crane	15	21	18	15	8	20	13
Operating farm machinery	21	30	17	31	23	27	22
Operating mine machinery	8	4	9	16	10	4	-
Operating earth moving machinery	21	18	9	10	8	11	7
Operating materials handling machinery	32	25	11	19	19	24	16
Operating machinery	52	56	63	53	58	54	47
Operating grinding, buffing, glazing machine	7	6	5	8	6	12	9
Operating cutting machinery	12	11	17	13	9	7	13
Operating tool and die machinery	-	-	-	-	-	-	-
Using power tools	35	43	42	34	56	43	39
Using drill	5	-	-	4	4	3	4
Using power saw (band saw, chain saw)	24	29	18	23	41	24	21
Using lawnmower	-	-	4	-	3	4	-
Using air hammer	-	3	-	-	-	-	-
Using nonpowered hand tools	19	17	33	20	33	19	14
Using wrench, hammer, screwdriver, etc.	3	3	7	-	4	3	-
Using knife/saw	-	-	-	4	7	3	-
Shoveling	5	9	14	9	12	6	7
Using farm tools (machete, pitchfork, hoe)	-	-	-	-	-	-	-
Operating or reading gauges, valves, switches	13	24	33	24	16	11	12
Turning gauges, valves, switches on/off	3	6	9	14	6	4	4
Plugging or unplugging electrical equipment	3	3	10	-	6	3	-
Adjusting gauges, valves, switches	-	-	3	-	-	-	-
Reading gauges, valves, switches	-	-	-	-	-	-	-
Welding	42	50	42	44	37	46	31
Logging, trimming, pruning	149	146	151	127	140	142	127
Logging	65	52	48	41	40	64	23



Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Trimming, pruning, n.e.c.	53	68	57	47	56	48	61
Operating wood chipper	-	4	5	3	3	-	8
Using or operating tools, machinery, gauges, n.e.c.	7	6	8	5	7	4	3
Operating office equipment	-	-	-	-	-	-	-
<b>Constructing, repairing, cleaning</b>	<b>1,161</b>	<b>1,254</b>	<b>1,201</b>	<b>1,337</b>	<b>1,236</b>	<b>1,109</b>	<b>949</b>
Construction, assembling, dismantling	463	529	475	554	541	421	358
Constructing, assembling	105	131	130	146	130	111	79
Installing	192	217	188	215	218	185	134
Dismantling, removing	75	88	77	107	103	69	81
Planting (landscape work)	5	8	3	8	12	5	5
Repair, maintenance	424	436	447	475	401	407	357
Repairing	212	235	211	216	167	196	172
Maintenance	61	53	65	61	76	73	51
Adjusting	20	20	27	29	14	19	18
Unjamming	27	38	38	37	48	33	37
Inspecting or checking	70	78	66	85	80	76	80
Cleaning, washing	97	84	83	108	98	83	75
Cleaning up spills	-	-	3	-	-	-	-
Sweeping, mopping	9	7	8	11	9	5	7
Cleaning vat, tank, etc.	16	8	15	12	9	8	12
Cleaning machines	12	9	9	12	11	9	6
Cleaning parts, tools	-	-	-	6	3	3	-
Clearing, spraying	19	20	31	22	5	23	14
Clearing brush, trees	16	14	20	13	-	19	8
Spraying pesticides, etc.	-	-	-	-	-	-	-
Painting, etc.	49	51	46	50	50	46	25
Applying paint, finish, etc. in a spray booth	-	-	-	-	-	-	-
Painting, not in a spray booth	33	30	31	36	37	35	18

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
Applying other finishes, not in a spray booth	4	6	7	10	7	5	5
<b>Protective service activities</b>	160	137	156	164	199	152	139
Fighting a fire	15	16	15	18	32	24	9
Apprehending, breaking up fight, chasing	48	45	43	37	60	39	44
Rescuing or evacuating	4	-	11	29	15	15	9
<b>Materials handling operations</b>	250	286	316	291	291	280	247
Lifting materials	8	13	17	15	14	9	9
Carrying materials	14	15	14	19	26	26	19
Holding materials	7	3	7	4	3	-	-
Loading, unloading (packing, unpacking) materials	120	131	135	130	111	129	117
Working with chemicals (except cleaning)	12	17	14	18	19	14	13
Mixing chemicals	4	3	-	3	-	-	4
Discarding chemicals	-	-	-	-	-	-	-
Pouring chemicals	3	3	3	6	7	-	-
Immersing objects in chemicals	-	-	-	-	-	-	-
Retrieving objects	14	18	22	17	18	17	14
Materials handling, n.e.c.	58	70	79	67	64	58	58
Throwing, catching	-	-	3	-	-	-	3
Digging	10	5	7	7	7	11	6
Dumping, filling	9	8	6	10	11	5	9
Pushing, pulling	11	12	21	16	11	12	12
<b>Physical activity, n.e.c.<sup>23</sup></b>	412	403	405	355	336	302	302
Climbing, descending	110	129	103	116	104	96	72
Climbing, descending ladder	62	70	63	63	54	54	44
Climbing, descending stairs	12	19	15	18	27	23	15

Fatal occupational injuries by selected characteristics, 2003-2017

<b>Characteristic</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>
Climbing, descending scaffolds	5	10	7	7	6	3	3
Climbing, descending trees	5	8	-	7	3	-	-
Climbing, descending poles	9	5	-	-	-	-	-
Entering, exiting (other than vehicle)	17	4	7	10	11	9	14
Body positions	241	236	250	201	185	172	182
Sitting	40	39	39	30	22	25	30
Standing	66	72	73	52	43	37	35
Walking	106	98	113	93	97	78	91
Reaching	6	5	3	3	3	6	3
Bending	-	-	-	-	-	-	-
Running	3	4	3	-	3	3	5
Jumping	8	4	3	5	3	-	5
Water related activities, unspecified	16	19	16	21	25	12	16
Swimming	5	8	6	5	9	7	5
Diving	6	6	5	14	14	-	10
<b>All other activities</b>	554	498	477	499	523	465	496
Tending a retail establishment	285	245	239	225	257	202	217
Office work	88	82	75	64	95	96	80
Clerical work	11	7	8	6	14	8	10
Managerial, administrative work	42	39	42	34	46	49	42
Research and development work	-	3	-	-	5	6	3
Health care and social services activities	18	25	14	24	20	19	28
Caring for patients	13	13	5	12	11	8	15
Caring for social service clients	-	-	-	-	-	-	4
Animal care and tending	50	44	45	42	39	36	36
Legal service activities	-	-	4	-	3	-	-
Teaching, giving or receiving training	12	9	19	16	18	9	18
Travel, n.e.c.	5	-	-	5	-	-	3
<b>Location</b>							

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Private residence</b>	486	552	520	586	515	424	459
Apartment	47	53	30	48	35	48	43
Farm house	5	8	12	11	4	9	11
Residential construction	204	257	279	292	255	156	151
<b>Farm</b>	491	487	522	508	418	488	424
Farm buildings, except silos	55	40	48	42	46	53	40
Farm land under cultivation, fields, meadows	226	233	266	276	214	237	202
Farm pond, creek, canal, irrigation ditch	8	13	19	19	15	10	14
Manure pit	-	-	4	-	8	5	-
Silo, grain bin	38	30	41	28	27	34	46
<b>Mine and quarry</b>	57	60	54	81	68	56	34
Gravel, sand pit	9	10	9	7	10	4	7
Mine tunnel under construction	-	-	-	-	8	-	-
Mine	28	33	27	54	42	35	19
<b>Industrial place and premise</b>	1,217	1,305	1,295	1,346	1,271	1,218	942
Dockyard	41	35	32	39	37	36	40
Industrial yard	75	80	94	86	88	91	66
Loading platform	32	57	54	40	43	33	40
Railway yard, line, or tracks	32	44	38	30	30	40	24
Warehouse, except loading platform	69	68	82	92	76	65	63
Construction site	388	436	415	441	469	400	270
Factory, plant	310	303	305	326	298	328	232
<b>Place for recreation and sport</b>	89	86	88	67	93	102	79
Amusement park	11	6	5	5	8	5	5
Recreation, sports center on employer's premises	13	13	16	16	8	14	3

Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
<b>Street and highway</b>	1,825	1,896	1,977	1,871	1,858	1,627	1,360
Interstate, freeway, or expressway	440	456	491	422	479	450	315
Other State or U.S. highway	541	563	659	622	641	569	498
Local road or street	589	636	582	609	587	488	397
Road construction <sup>24</sup>	110	119	165	139	106	101	116
<b>Public building</b>	675	641	593	634	672	546	610
Bank	7	11	5	6	13	6	3
Hotel, motel	26	22	25	34	36	22	29
Convenience store	82	75	97	76	87	49	66
Office building	116	100	83	120	101	88	99
Restaurant, cafe	90	61	62	88	80	78	89
Other commercial store	190	213	159	157	202	160	183
School (State, public, private)	39	41	42	48	39	35	43
<b>Residential institution</b>	29	20	21	35	23	24	34
Prison, jail, detention home	10	7	7	7	9	10	7
<b>Other specified place</b>	680	691	646	678	712	711	600
Parking lot, garage (employer's premises)	147	148	165	144	169	156	147
Parking lot, garage (except employer's premises)	67	66	61	64	91	90	84
River, lake, pond, stream	56	52	72	82	75	58	71
Sea	82	95	82	86	85	89	88
Woods	150	162	142	143	154	190	87
<b>Month of incident</b>							
January	419	421	496	453	464	455	385

# Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
February	382	417	382	412	446	396	330
March	431	454	420	451	434	422	359
April	452	452	440	466	395	450	361
May	436	449	469	482	427	466	389
June	491	510	532	527	544	490	441
July	557	567	556	592	564	482	454
August	544	544	558	610	600	423	400
September	470	568	478	473	436	492	379
October	540	541	513	520	521	420	383
November	453	400	463	447	437	361	350
December	400	441	427	407	389	357	320
<b>Day of week of incident</b>							
Sunday	388	351	367	420	364	372	351
Monday	871	974	960	993	1,007	869	758
Tuesday	986	1,037	953	957	958	889	828
Wednesday	960	936	1,053	1,069	941	864	761
Thursday	949	980	961	987	903	853	712
Friday	887	921	876	898	883	806	673
Saturday	534	565	564	516	601	561	468

<sup>1</sup> The Census of Fatal Occupational Injuries (CFOI) has published data on fatal occupational injuries for the United States since 1992. During this time, the classification systems and definitions of many data elements have changed. Please see the CFOI Definitions page (<http://www.bls.gov/iif/oshcfdef.htm>) for a more detailed description of each data element and their

<sup>2</sup> May include volunteers and workers receiving other types of compensation.

<sup>3</sup> Includes self-employed workers, owners of unincorporated businesses and farms, paid and unpaid family workers, and may include some owners of incorporated businesses or members of partnerships

<sup>4</sup> Persons identified as Hispanic or Latino may be of any race. The race categories shown exclude

## Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
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<sup>5</sup> Occupation data from 2003 to 2010 are based on the Standard Occupational Classification system, 2000. Occupation data from 2011 to the present are based on the Standard Occupational Classification system, 2010.

<sup>6</sup> This category was discontinued with the implementation of the 2010 Standard Occupational Classification (SOC) system. If it appears for years 2011 to present, it refers to the same data as the computer occupations category.

<sup>7</sup> For 2011 to present, the printing workers category may be displayed twice because of a change in the Standard Occupational Classification (SOC) system from the 2000 version to the 2010 version.

<sup>8</sup> Includes fatal injuries to persons identified as resident armed forces regardless of individual

<sup>9</sup> Industry data from 2003 to 2008 are based on the North American Industry Classification System, 2002. Industry data from 2009 to 2013 are based on the North American Industry Classification System, 2007. Industry data from 2014 to the present are based on the North American Industry Classification System, 2012.

<sup>10</sup> Includes all fatal occupational injuries meeting this ownership criterion across all specified years,

<sup>11</sup> Includes fatal injuries at all establishments categorized as Mining, quarrying, and oil and gas extraction (Sector 21) in the North American Industry Classification System, including establishments not governed by the Mine Safety and Health Administration (MSHA) rules and reporting, such as those in Oil and Gas Extraction.

<sup>12</sup> Includes fatal injuries to workers employed by governmental organizations regardless of industry. Includes all fatal occupational injuries meeting this ownership criterion across all specified years, regardless of industry classification system.

<sup>13</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) in effect for 1992

<sup>14</sup> May include fatal injuries that occurred in structures that do not meet the definition of permit-required confined spaces as defined by Occupational Safety and Health Administration regulations. Excludes fatalities from trench cave-ins and from being caught in collapsing materials.

<sup>15</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) in effect for 1992 to 2010 data. The primary source of injury identifies the object, substance, or exposure that directly produced or inflicted the injury. For most transportation incidents, the primary source identifies the vehicle in which the deceased was an occupant. For most falls, the primary source identifies the surface or object contacted.

<sup>16</sup> The category "Robber" was instituted beginning with 1997 data, which was partial year reporting.

## Fatal occupational injuries by selected characteristics, 2003-2017

Characteristic	2003	2004	2005	2006	2007	2008	2009
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<sup>17</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) in effect for 1992 to 2010 data. The secondary source of injury, if any, identifies the object, substance, or person that generated the source of injury or that contributed to the event or exposure. For vehicle collisions, the deceased's vehicle is the primary source and the other object (truck, road divider, etc.) is the secondary source. For most homicides, the "bullet" is the primary source and the "assailant" is the secondary source. For most falls, the secondary source identifies the equipment or surface from which the worker fell.

<sup>18</sup> May include some asphyxiations due to chest compressions.

<sup>19</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented

<sup>20</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward. The primary source of a fatal occupational injury is the object, substance, person, bodily motion, or exposure which most directly led to, produced, or inflicted the injury or illness.

<sup>21</sup> May differ from the definition of confined spaces as defined by Occupational Safety and Health

<sup>22</sup> Based on the BLS Occupational Injury and Illness Classification System (OIICS) 2.01 implemented for 2011 data forward. The secondary source of a fatal occupational injury is the object, substance, person, or exposure, other than the source, if any, which most actively generated the source or contributed to the injury or illness.

<sup>23</sup> Includes, but is not limited to, walking, sitting, running, and climbing ladders or stairs.

<sup>24</sup> The road construction location category was implemented in 1995. Includes road construction workers and vehicle occupants fatally injured in work zones. Work zones include construction, maintenance and utility work on a road, street, or highway.

Note: Data for all years are revised and final. Totals for major categories may include subcategories not shown separately. Dashes indicate no data reported or data that do not meet publication criteria. N.e.c. means "not elsewhere classified." CFI fatal injury counts exclude illness-related deaths unless precipitated by an injury event.

Source: U.S. Department of Labor, Bureau of Labor Statistics, in cooperation with state, New York City, District of Columbia, and federal agencies, Census of Fatal Occupational Injuries



2010	2011	2012	2013	2014	2015	2016	2017
4,690	4,693	4,628	4,585	4,821	4,836	5,190	5,147
92	75	84	78	75	70	100	83
39	39	31	32	30	14	35	33
77	69	60	95	88	69	77	90
88	93	63	63	67	74	68	76
326	390	375	396	344	388	376	376
85	92	82	65	84	75	81	77
49	37	36	29	35	44	28	35
8	10	14	11	12	8	12	10
16	9	11	25	11	8	5	13
225	226	218	239	228	272	309	299
108	111	101	117	152	180	171	194
19	26	20	11	31	18	29	20
33	37	19	30	34	36	30	37
206	177	146	176	164	172	171	163
118	125	115	127	130	115	137	138
77	93	97	72	91	60	76	72
85	78	76	55	73	60	74	72
69	93	91	86	82	99	92	70
111	111	116	114	120	112	95	117
20	26	19	19	19	15	18	18
71	71	72	79	74	69	92	87
54	68	44	57	55	69	109	108
146	141	137	135	143	134	162	153
70	60	70	69	62	74	92	101
68	63	63	68	75	77	71	90

2010	2011	2012	2013	2014	2015	2016	2017
106	132	88	118	106	117	124	125
36	49	34	28	28	36	38	32
54	39	48	39	55	50	60	35
38	38	42	42	40	44	54	32
6	9	14	14	17	18	22	11
81	99	92	102	87	97	101	69
38	52	39	54	53	35	41	44
182	206	202	178	241	236	272	313
68	72	76	56	79	74	56	87
139	148	146	109	137	150	174	183
30	44	65	56	38	47	28	38
161	155	161	149	185	202	164	174
94	86	97	92	98	91	92	91
47	58	43	49	69	44	72	60
221	186	194	183	179	173	163	172
9	7	8	10	10	6	9	8
69	81	63	75	64	117	96	88
36	31	31	20	29	21	31	30
138	120	101	95	127	112	122	128
461	433	536	508	531	527	545	534
41	39	39	37	54	42	44	43
12	8	11	7	10	9	10	22
107	127	149	128	116	106	153	118
104	60	67	56	88	70	78	84
95	43	49	61	38	35	47	51
91	89	114	97	99	104	105	106
33	32	35	26	37	34	34	20

2010	2011	2012	2013	2014	2015	2016	2017
3,651	3,642	3,571	3,635	3,728	3,751	4,098	4,069
1,039	1,051	1,057	950	1,093	1,085	1,092	1,078
368	385	351	319	367	344	387	386
4,322	4,308	4,277	4,265	4,454	4,492	4,803	4,761
16	10	19	5	8	12	13	15
18	13	10	9	14	12	17	7
56	61	59	57	42	50	43	62
245	292	287	279	292	329	310	293
785	714	736	777	753	758	834	872
868	875	829	853	860	864	979	907
1,169	1,222	1,161	1,115	1,161	1,130	1,145	1,059
948	936	936	933	1,007	1,031	1,160	1,155
582	569	588	557	684	650	688	775
3,363	3,323	3,177	3,125	3,332	3,241	3,481	3,449
412	440	486	439	475	495	587	530
707	749	748	817	804	903	879	903
32	30	37	35	34	36	38	38
143	121	147	125	137	114	160	144
6	3	7	7	5	9	7	17
8	15	5	12	20	12	15	9
19	12	21	25	14	26	23	57

2010	2011	2012	2013	2014	2015	2016	2017
852	744	694	671	704	664	672	654
571	497	467	429	468	410	404	425
545	467	445	408	440	379	377	396
29	31	32	30	25	22	13	24
18	22	21	18	11	11	10	10
18	22	21	18	11	11	10	10
10	9	10	12	14	11	-	14
10	9	10	12	14	11	-	14
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4	5	9	11	8	7	4	9
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-	-	-	-	-	-	-	1
34	27	24	19	28	19	23	21
3	6	9	4	4	-	4	-
3	6	9	4	4	-	4	-

2010	2011	2012	2013	2014	2015	2016	2017
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8	6	1	2	5	7	3	7
8	6	1	2	5	7	3	7
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-	-	-	1	-	-	-	-
475	402	377	341	377	328	336	338
323	268	232	231	270	252	260	258
15	-	-	-	-	-	-	-
308	-	-	-	-	-	-	-
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36	21	24	15	15	11	3	12
36	21	24	15	15	11	3	12
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2010	2011	2012	2013	2014	2015	2016	2017
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25	28	27	36	22	22	23	19
25	28	27	36	22	22	23	19
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19	15	30	20	20	19	23	16
19	15	30	20	20	19	23	16
4	6	4	1	4	1	-	-
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46	40	38	19	21	9	10	13
26	30	22	21	28	31	27	29
17	18	16	12	22	17	14	12
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2010	2011	2012	2013	2014	2015	2016	2017
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-	3	2	-	-	2	2	-
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-	-	-	1	-	1	-	3

2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	1	-	-	-	-
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281	247	227	242	236	254	268	229
94	66	64	74	69	56	72	47
14	5	8	12	16	8	16	11
14	3	8	11	16	7	16	11
6	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	1	-	-	-
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-	-	-	-	-	2	1	-
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53	38	35	37	35	37	41	23
9	6	5	5	7	-	14	6
-	3	-	-	-	-	1	-
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2010	2011	2012	2013	2014	2015	2016	2017
7	3	5	4	6	-	13	5
7	3	5	4	6	-	13	5
32	25	24	21	21	26	15	12
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-	-	-	-	-	1	-	-
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6	9	4	7	4	11	3	3
6	9	4	7	4	11	3	3
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9	4	4	4	-	-	1	2
7	-	-	3	-	-	1	2
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6	1	-	1	-	-	-	-
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3	4	4	4	4	4	5	-
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2010	2011	2012	2013	2014	2015	2016	2017
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12	7	6	11	7	9	12	5
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27	23	21	25	18	11	15	13
14	7	5	9	6	8	6	3
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3	3	-	-	1	-	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
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3	3	3	-	5	-	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
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120	126	115	108	114	124	136	125
25	23	39	20	33	28	27	37
13	17	20	8	18	12	15	25
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3	4	-	-	4	-	-	4
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12	6	19	12	15	16	12	12
8	5	13	10	13	12	7	9
8	5	13	10	13	12	7	9

2010	2011	2012	2013	2014	2015	2016	2017
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9	14	8	16	7	12	13	11
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9	14	8	12	6	11	12	9
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2010	2011	2012	2013	2014	2015	2016	2017
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13	15	11	6	7	5	6	7
5	5	5	3	5	-	-	-
4	5	4	-	3	-	-	-
4	6	5	2	-	3	1	2
4	5	5	2	-	-	1	2
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2010	2011	2012	2013	2014	2015	2016	2017
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9	4	3	-	4	-	-	-
6	4	3	-	3	1	-	-
6	4	3	-	3	1	-	-
56	52	43	52	47	65	64	47
4	9	8	6	5	9	6	7
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38	35	27	34	26	44	44	32
3	5	-	-	1	3	-	2
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2010	2011	2012	2013	2014	2015	2016	2017
22	23	23	20	19	23	29	24
15	14	21	12	11	16	21	19
5	6	-	5	3	7	7	4
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9	4	5	9	12	4	6	7

2010	2011	2012	2013	2014	2015	2016	2017
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4	4	5	3	4	1	-	-
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67	55	48	60	53	74	60	57
43	38	28	37	31	36	24	35
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2010	2011	2012	2013	2014	2015	2016	2017
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24	16	17	19	18	23	31	19
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10	8	10	10	10	14	10	12
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2010	2011	2012	2013	2014	2015	2016	2017
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7	3	-	-	1	1	5	3
7	3	-	-	1	1	5	3
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638	692	620	632	597	632	787	778
17	23	12	18	14	23	30	28
11	18	8	14	9	16	23	21
11	18	8	14	9	16	23	21
4	9	5	10	6	10	15	12
6	-	-	-	-	-	-	-
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-	8	3	-	3	4	8	8

2010	2011	2012	2013	2014	2015	2016	2017
6	4	4	4	5	6	7	7
5	4	-	4	5	6	6	5
-	-	-	-	3	1	-	-
-	-	-	1	-	-	-	-
261	282	231	249	213	213	281	266
23	25	19	30	20	13	30	34
8	16	6	10	6	6	19	22
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8	15	4	9	6	6	18	18
10	6	13	19	12	5	10	9
10	6	13	19	12	5	10	9
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27	31	19	53	26	30	35	35
23	28	18	53	23	29	35	34
23	28	18	53	23	29	35	34
4	-	-	-	3	-	-	-
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147	149	121	97	106	102	127	117
8	9	9	8	3	9	10	13
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2010	2011	2012	2013	2014	2015	2016	2017
8	9	8	6	-	8	8	13
-	6	6	8	4	8	7	9
-	6	6	8	4	8	7	9
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135	130	105	79	98	85	109	95
134	130	105	79	97	85	108	95
64	77	72	69	61	68	89	80
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-	1	-	-	-	-	-	-
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52	64	51	58	40	56	54	63
51	64	51	58	40	55	54	63
12	10	18	11	18	11	34	15
9	7	12	7	10	6	24	9
3	-	-	-	4	-	9	3
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61	47	57	68	55	56	92	89
21	12	14	23	19	17	21	38
21	12	14	23	19	17	21	38
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13	12	15	27	15	12	28	26
13	9	10	23	12	9	20	19

2010	2011	2012	2013	2014	2015	2016	2017
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8	4	9	9	6	5	10	15
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6	13	8	8	3	11	11	6
6	13	8	8	3	11	11	6
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9	-	6	3	8	5	8	7
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3	-	3	-	3	-	3	-
4	-	-	-	3	-	-	3
4	-	-	-	3	-	-	3
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233	269	255	249	252	289	329	326

2010	2011	2012	2013	2014	2015	2016	2017
40	33	43	42	38	47	38	67
40	33	43	42	38	47	38	67
10	5	3	3	5	9	8	14
30	28	40	39	33	38	30	53
49	53	53	56	56	59	74	68
46	50	48	50	54	52	64	60
38	42	32	39	46	38	46	52
8	7	13	5	6	10	13	5
3	3	5	6	-	7	10	8
3	3	5	6	-	7	10	8
144	183	159	151	158	183	217	191
144	183	159	151	158	183	217	191
80	97	82	78	88	111	125	109
-	3	-	-	-	-	3	3
60	83	71	71	68	66	84	78
66	71	65	48	63	51	55	69
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10	5	10	5	6	8	1	4
10	5	10	5	6	8	1	4
15	14	11	8	12	7	12	9
8	8	5	4	7	4	4	4



2010	2011	2012	2013	2014	2015	2016	2017
8	8	5	4	7	4	4	4
7	6	6	4	5	3	8	5
7	6	6	4	5	3	8	5
13	18	6	3	6	5	11	11
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11	14	4	3	5	4	9	8
11	13	4	3	5	4	9	8
-	-	-	3	-	4	-	6
-	-	-	-	-	3	-	-
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5	14	7	10	9	12	11	8
4	13	6	8	8	12	10	8
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2010	2011	2012	2013	2014	2015	2016	2017
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18	14	23	17	21	14	14	27
8	4	3	4	4	4	-	3
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3	4	11	5	5	4	4	12
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5	5	6	7	3	4	6	9
-	-	1	-	-	-	3	-
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-	-	-	-	6	-	-	-
350	331	314	295	339	314	332	333
280	240	225	220	239	228	254	232
142	127	112	104	124	101	104	98
142	127	112	104	124	101	104	98
113	104	98	84	89	80	89	79
29	23	14	20	35	21	15	19
89	63	65	68	78	82	102	89
51	34	34	34	35	44	63	42
51	34	34	33	35	44	62	42
-	-	-	1	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
4	3	3	-	5	4	6	4
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34	26	28	32	38	34	33	43
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12	12	10	19	5	8	12	7
23	24	23	18	9	21	21	23
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2010	2011	2012	2013	2014	2015	2016	2017
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9	4	4	4	6	6	8	8
-	-	-	2	-	-	-	6
6	-	3	-	6	4	8	-
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12	19	18	12	3	11	12	11
8	10	10	7	1	5	6	-
70	91	89	75	100	86	78	101
9	3	-	6	7	6	8	6
9	3	-	6	7	6	8	6
9	3	-	6	7	6	8	6
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-	-	-	-	3	-	-	3
-	-	1	2	-	-	-	1
12	10	17	8	15	12	14	17
-	-	-	-	-	-	2	-

2010	2011	2012	2013	2014	2015	2016	2017
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7	-	3	5	5	3	5	6
7	-	3	5	5	3	5	6
-	-	-	-	1	-	-	-
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3	-	4	-	-	3	3	2
3	-	4	-	-	3	3	2
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32	54	48	43	51	53	43	56
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-	-	-	-	3	1	1	2
6	10	6	8	8	7	3	6
6	10	6	8	8	7	3	6
-	-	1	3	3	4	6	-
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-	-	-	-	-	-	4	-
-	-	-	-	-	-	4	-

2010	2011	2012	2013	2014	2015	2016	2017
13	16	19	19	14	16	13	18
3	-	-	-	-	-	3	-
10	16	19	18	12	15	10	17
-	-	-	-	-	-	-	-
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4	5	3	3	3	-	3	8
4	5	3	3	3	-	3	8
7	14	14	8	19	22	11	19
7	14	14	8	19	22	11	19
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-	-	-	-	1	-	1	-
6	4	7	4	9	3	5	8
6	4	7	4	9	3	5	8
-	-	-	-	-	-	1	-
-	-	-	-	-	-	-	1
-	1	-	1	-	-	-	-
-	3	6	3	7	1	4	6
8	14	6	5	7	4	3	8
-	1	-	1	-	-	1	-

2010	2011	2012	2013	2014	2015	2016	2017
-	1	-	1	-	-	1	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	11	5	3	6	2	-	6
4	11	5	3	6	2	-	6
-	1	-	-	-	-	-	-
1,419	1,413	1,478	1,447	1,567	1,600	1,730	1,643
276	261	260	232	259	284	290	264
15	15	8	14	11	10	12	11
15	15	8	14	11	10	12	11
15	15	8	14	11	10	12	11
-	-	-	-	-	-	-	-
161	136	152	128	148	180	157	155
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-	-	-	-	-	3	-	-
161	133	146	125	146	174	156	154

2010	2011	2012	2013	2014	2015	2016	2017
14	11	10	5	9	11	14	17
106	78	80	72	80	106	78	85
40	42	54	47	57	55	61	52
39	42	35	28	22	25	26	41
38	42	33	27	22	23	24	41
38	42	33	27	22	23	24	41
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-	-	2	1	-	-	-	-
61	68	65	62	78	69	95	57
-	3	-	3	-	2	-	-
-	3	-	3	-	2	-	-
60	65	63	59	78	67	91	55
40	55	52	52	66	50	70	40
9	5	-	4	3	12	12	6
780	798	870	845	902	924	970	965
111	106	121	122	130	123	134	121
111	106	121	122	130	123	134	121
111	106	121	122	130	123	134	121
550	533	604	595	625	694	736	747
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11	8	12	8	15	18	12	15
9	7	10	8	10	15	10	13
-	-	-	-	5	3	2	-
57	44	56	77	59	83	99	101



2010	2011	2012	2013	2014	2015	2016	2017
57	44	56	77	59	83	99	101
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3	-	-	-	-	-	3	3
5	3	8	5	10	8	12	6
4	3	8	4	8	8	12	6
202	191	214	220	208	235	254	259
202	191	214	220	208	235	254	259
48	53	50	32	38	46	46	59
5	6	4	7	8	4	6	12
42	47	45	25	28	42	39	45
6	8	9	11	11	13	6	10
5	8	9	9	10	13	5	10
63	62	69	64	79	83	79	74
63	62	69	64	79	83	79	74
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-	-	-	-	3	6	-	3
3	5	3	3	7	-	6	4
-	3	-	2	5	-	5	4
-	-	-	1	-	-	1	-
34	35	40	42	49	42	52	45
34	34	34	40	46	39	50	44

2010	2011	2012	2013	2014	2015	2016	2017
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32	27	35	38	32	46	24	43
6	9	6	12	6	3	6	4
26	18	29	26	26	43	18	39
-	5	-	-	3	3	-	-
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-	-	-	-	-	5	6	3
57	60	73	72	83	75	101	91
57	60	73	72	83	75	101	91
8	7	5	7	4	5	6	8
8	7	5	7	4	5	6	8
12	18	22	11	15	17	16	14
12	18	22	11	15	17	16	14
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10	15	4	8	9	10	14	11
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19	52	54	38	50	52	45	45
4	10	4	7	6	5	9	10
4	10	4	7	6	5	9	10
-	4	6	5	5	6	6	-

2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	5	-	4	-
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11	28	30	13	22	24	12	19
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-	3	6	3	-	4	5	3
-	5	1	5	7	5	3	-
-	5	1	5	7	5	3	-
-	-	-	3	-	2	-	3
90	92	87	82	88	45	41	41
17	20	26	21	26	13	8	10
6	7	11	7	10	-	3	-
7	11	11	10	10	7	-	3
4	-	4	4	6	4	3	5
7	8	7	-	-	-	4	3
7	8	7	-	-	-	4	3
-	7	-	-	-	2	-	-
-	7	-	-	-	2	-	-
22	7	7	16	7	6	6	7

2010	2011	2012	2013	2014	2015	2016	2017
8	2	3	4	2	1	3	1
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6	-	1	1	3	-	-	-
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6	13	24	18	25	11	8	13
6	13	24	18	25	11	8	13
6	6	3	3	3	-	-	-
6	6	3	3	3	-	-	-
26	30	19	18	22	9	12	5
363	354	348	370	406	392	470	414
27	18	33	32	38	36	44	35
27	18	33	32	38	36	44	35
27	18	33	32	38	36	44	35
16	21	21	26	21	25	23	25
-	3	-	-	6	-	-	-
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11	9	6	14	11	8	12	9
-	6	-	10	8	4	7	2
9	3	4	4	3	4	5	7

2010	2011	2012	2013	2014	2015	2016	2017
5	9	13	10	4	16	11	16
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-	-	1	-	-	3	-	6
-	1	-	-	-	-	1	-
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-	4	4	5	-	3	4	4
4	-	4	-	-	8	3	4
126	114	110	104	128	129	154	143
7	6	3	4	8	5	4	3
7	6	3	4	8	5	4	3
45	39	36	38	41	55	72	74
6	5	6	5	7	10	6	7
-	-	-	-	-	1	-	-
39	34	30	32	33	44	64	66
26	19	26	28	30	25	29	29
26	19	26	28	30	25	29	29

2010	2011	2012	2013	2014	2015	2016	2017
32	34	32	23	29	29	38	27
9	17	7	8	12	7	10	13
23	17	25	15	17	21	27	14
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-	-	-	-	-	3	-	1
-	-	-	-	3	-	3	4
3	-	1	1	5	1	-	-
9	12	10	7	10	9	4	4
-	-	-	1	-	-	-	-
-	1	-	-	-	-	-	-
8	10	10	6	10	9	3	4
194	201	184	208	219	202	249	211
-	2	-	3	3	3	4	3
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-	1	-	-	-	-	-	-
25	18	20	29	29	29	37	24
25	18	20	29	29	29	37	24
-	-	-	-	-	-	3	3
-	-	-	-	-	-	3	3

2010	2011	2012	2013	2014	2015	2016	2017
98	53	32	27	43	38	45	28
25	31	20	9	24	22	22	14
68	-	-	-	-	-	-	-
3	17	9	11	11	10	13	9
-	5	1	6	8	6	10	5
39	38	37	42	44	40	42	41
22	26	27	27	25	26	21	26
17	12	10	15	19	14	21	15
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-	-	-	-	-	-	-	1
-	65	69	71	68	69	75	87
-	65	69	71	68	69	75	87
27	22	23	35	30	21	41	23
-	-	-	3	-	-	3	-
7	5	5	10	5	-	9	5
-	-	-	1	-	-	-	3
-	-	-	-	3	1	3	-
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-	-	-	-	-	-	-	1
4	3	5	6	12	6	10	-

2010	2011	2012	2013	2014	2015	2016	2017
1,385	1,455	1,468	1,468	1,558	1,551	1,604	1,664
225	222	221	213	212	250	216	221
37	35	25	27	22	46	31	31
37	35	25	27	22	46	31	31
37	35	25	27	22	46	31	31
12	12	9	8	13	15	10	11
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3	-	-	1	1	5	-	1
9	9	8	6	7	7	8	8
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11	6	7	7	14	6	15	13
3	1	-	-	-	2	3	-
3	1	-	-	-	2	3	-
6	3	6	4	7	4	9	6
-	-	1	-	1	-	-	3
3	-	4	1	-	-	7	-
-	1	-	-	5	-	-	3



2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	3	-	-	-
-	-	-	-	1	-	-	-
67	65	84	81	74	86	78	62
-	-	-	1	3	-	-	-
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-	-	-	4	7	3	7	-
-	-	-	-	-	-	1	-
-	-	-	-	-	-	-	-
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5	3	9	6	4	6	7	8
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-	-	-	1	-	-	-	-
-	-	-	-	-	-	-	1
7	8	11	12	8	11	6	8
7	8	11	12	8	11	6	8
4	-	-	-	4	-	1	-

2010	2011	2012	2013	2014	2015	2016	2017
4	-	-	-	-	-	-	-
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40	45	47	47	39	53	40	37
39	40	44	46	38	52	39	35
-	5	3	-	-	1	-	-
9	5	10	7	5	1	11	3
-	-	-	-	-	-	1	-
4	3	1	-	4	-	5	-
3	-	-	-	-	-	-	-
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-	4	5	-	1	-	3	3
-	-	-	-	1	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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-	1	-	-	-	-	-	-
-	-	-	1	-	3	-	-
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11	6	9	10	10	9	11	12
-	-	-	-	-	-	-	3
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-	-	1	-	-	-	3	3
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6	6	6	9	7	8	7	6
6	5	4	8	5	7	5	4
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3	-	-	-	-	-	-	-
17	20	13	12	15	20	15	23
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-	2	-	4	-	-	-	4
-	2	-	4	-	-	-	4

2010	2011	2012	2013	2014	2015	2016	2017
6	9	5	4	5	6	5	9
6	9	5	4	5	6	5	9
9	5	6	4	7	13	5	7
-	-	-	1	-	-	-	1
6	3	-	-	3	9	4	5
58	66	66	63	57	61	45	59
4	3	7	3	3	-	-	3
-	-	5	1	3	-	-	-
4	-	-	-	-	1	-	-
-	8	-	8	13	4	5	7
-	4	-	-	3	4	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
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16	7	6	7	8	10	9	6
16	7	6	7	8	10	9	6
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4	4	5	4	5	5	7	6
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28	35	32	34	21	29	14	24
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3	-	1	2	1	6	1	-
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2010	2011	2012	2013	2014	2015	2016	2017
1,160	1,233	1,247	1,255	1,346	1,301	1,388	1,443
20	16	21	23	27	21	27	29
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8	5	6	9	9	6	15	5
8	5	6	9	9	6	15	5
12	11	15	14	18	15	10	24
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78	71	72	66	84	57	75	59
78	71	72	64	82	57	75	59
7	4	8	3	10	11	5	9
71	67	64	61	72	46	70	50
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804	871	897	898	979	978	1,012	1,084
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2010	2011	2012	2013	2014	2015	2016	2017
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17	19	21	18	18	17	21	15
4	11	7	10	6	6	11	8
13	8	14	8	12	11	10	7
718	774	813	806	880	885	918	987
37	40	57	31	59	68	71	60
610	670	695	707	761	745	786	840
71	64	61	68	60	72	61	87
57	64	50	61	68	54	60	62
57	64	50	61	68	54	60	62
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21	19	11	6	8	10	13	7
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6	8	5	4	4	3	6	4
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21	15	15	23	15	15	22	21
12	6	10	14	9	6	15	9
12	6	10	14	9	6	15	9

2010	2011	2012	2013	2014	2015	2016	2017
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8	5	4	7	5	8	4	11
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204	227	219	226	224	206	228	235
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9	16	10	13	18	9	20	12



2010	2011	2012	2013	2014	2015	2016	2017
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30	34	30	29	37	34	37	34
113	114	119	117	106	97	111	130
17	16	8	17	14	21	17	19
93	94	108	95	87	73	92	106
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4	8	12	6	11	-	4	4
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2010	2011	2012	2013	2014	2015	2016	2017
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46	57	50	71	56	73	62	72
4,206	4,188	4,175	4,101	4,386	4,379	4,693	4,674
1,896	1,786	1,823	1,795	2,015	1,980	1,991	1,967
793	721	690	655	767	690	682	693
621	566	509	500	584	570	593	581
323	245	224	224	251	230	261	263
50	41	28	30	41	35	54	56
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17	10	10	15	8	21	12	17
17	10	10	15	8	21	12	17
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21	13	13	17	15	20	23	25
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2010	2011	2012	2013	2014	2015	2016	2017
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71	41	45	40	62	45	63	59
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4	3	-	3	5	7	3	3
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15	3	12	9	12	9	17	14
50	26	24	20	39	24	37	36
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153	148	150	136	166	171	151	152
122	124	117	109	123	138	130	115
54	52	59	44	57	69	64	62
51	45	48	36	45	64	46	57
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42	39	36	37	49	43	46	33
6	2	4	2	5	8	3	-

2010	2011	2012	2013	2014	2015	2016	2017
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4	5	4	4	9	5	3	12
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14	11	8	16	9	10	7	16
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73	78	65	81	95	81	106	76
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70	76	61	77	92	80	105	74
70	76	61	77	92	80	105	74
37	43	36	26	25	23	26	40
36	43	35	26	24	23	24	39

2010	2011	2012	2013	2014	2015	2016	2017
35	43	35	26	24	23	24	39
14	15	12	15	8	4	7	14
18	24	16	6	12	12	12	20
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9	7	7	8	6	32	14	11
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6	10	8	5	6	6	6	8
6	10	8	5	6	6	6	8
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-	7	4	3	3	3	-	4
172	155	181	155	183	120	89	112
12	13	26	12	18	6	9	8
12	13	26	12	18	6	9	8
12	13	26	12	18	6	9	8

2010	2011	2012	2013	2014	2015	2016	2017
7	10	22	8	15	5	8	7
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60	37	38	40	38	28	22	31
43	17	20	20	14	12	7	17
43	17	20	20	14	12	7	17
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38	11	12	16	11	5	7	10
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5	4	-	-	4	4	-	2
4	3	1	-	3	4	-	2
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11	15	16	17	19	11	13	10
8	9	5	14	7	7	5	5
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2010	2011	2012	2013	2014	2015	2016	2017
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100	105	117	103	127	86	56	73
100	105	117	103	127	86	56	73
100	105	117	103	127	86	56	73
47	41	39	24	32	9	9	12
48	58	77	76	94	74	45	61
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774	738	806	828	899	937	991	971
159	129	142	154	180	175	182	196
91	72	89	99	107	106	128	135
91	72	89	99	107	106	128	135
34	22	28	28	33	29	33	39
4	3	4	5	4	5	8	10
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36	38	41	47	55	52	62	66
61	52	50	52	69	62	50	55
13	12	12	9	16	18	8	8
43	39	37	41	51	44	42	42

2010	2011	2012	2013	2014	2015	2016	2017
147	156	174	165	140	148	159	152
67	74	71	77	64	58	75	73
30	35	23	32	21	19	42	30
13	16	19	15	12	16	17	12
24	23	28	30	31	23	16	31
-	4	6	-	-	9	-	-
-	4	6	-	-	9	-	-
68	66	86	66	63	66	69	68
68	66	86	66	63	66	69	68
10	11	11	21	10	15	14	9
447	423	473	494	564	595	631	610
146	148	188	180	182	231	244	254
19	5	26	19	29	31	30	31
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6	-	9	3	9	5	9	8
15	15	17	13	15	31	30	27
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5	14	13	7	9	11	10	8
9	12	17	32	17	31	31	37



2010	2011	2012	2013	2014	2015	2016	2017
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19	27	22	12	21	19	22	27
5	9	5	3	8	4	4	10
4	12	-	-	3	4	4	4
3	-	3	-	2	6	-	-
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69	81	84	80	86	87	115	107
15	21	31	23	28	19	33	29
14	13	16	22	8	17	22	24
6	5	9	11	9	14	8	12
-	3	7	3	4	5	-	4
4	1	-	-	1	1	-	-
6	1	10	9	3	11	7	10
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3	-	5	-	1	4	-	1
127	108	108	125	169	167	152	147
59	54	59	61	84	83	78	73
9	-	8	8	10	11	11	7
22	19	16	12	34	28	24	26
57	44	42	53	69	71	60	66

2010	2011	2012	2013	2014	2015	2016	2017
12	9	11	16	15	18	21	16
14	5	6	10	19	20	10	13
10	10	7	11	16	12	14	6
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5	7	-	6	3	3	4	2
73	68	69	80	85	83	114	94
11	12	16	21	24	21	23	19
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37	31	34	36	41	36	48	42
10	11	8	8	10	11	7	18
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3	10	-	6	5	5	7	6

2010	2011	2012	2013	2014	2015	2016	2017
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95	96	106	105	124	113	120	110
71	74	72	76	82	77	75	79
14	8	-	10	14	9	9	11
16	24	22	27	32	18	21	21
24	22	34	28	42	36	45	31
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9	9	5	8	8	12	10	7
329	327	327	312	349	353	318	303
56	51	43	49	56	44	40	51
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2010	2011	2012	2013	2014	2015	2016	2017
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11	18	18	10	19	8	5	18
11	18	18	10	19	8	5	18
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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19	16	12	14	21	16	13	10
19	16	12	14	21	16	13	10

2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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11	10	14	6	5	12	7	8
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4	-	-	-	-	-	1	2



2010	2011	2012	2013	2014	2015	2016	2017
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23	25	24	18	27	28	15	13
10	9	9	5	6	5	1	4
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	-	3	-	-
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10	8	12	11	15	17	16	15

2010	2011	2012	2013	2014	2015	2016	2017
6	7	11	8	12	13	12	14
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-	-	-	1	-	-	-	1
18	31	32	32	39	39	32	35
3	3	-	-	1	3	-	-
-	-	-	-	1	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
3	3	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	2	3	-	5	6	3	4
-	2	3	-	5	6	3	4
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14	24	22	24	30	26	24	21
3	-	4	-	-	-	-	2
8	17	9	13	21	14	17	15
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-	1	-	-	5	4	-	-
-	-	-	-	-	-	1	-
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-	-	-	-	1	-	-	-
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17	24	24	17	28	17	25	8

2010	2011	2012	2013	2014	2015	2016	2017
5	10	7	9	13	2	8	2
5	10	7	9	13	2	8	2
5	8	4	5	-	-	-	-
-	-	3	-	6	4	4	-
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7	5	3	1	-	4	2	-
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-	-	-	1	-	-	-	-
6	5	-	-	-	3	2	-

2010	2011	2012	2013	2014	2015	2016	2017
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3	5	7	3	6	3	8	2
3	4	4	-	4	-	4	2
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49	39	43	47	34	66	41	50
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24	8	16	15	9	21	14	22
17	7	11	9	9	14	8	12

2010	2011	2012	2013	2014	2015	2016	2017
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13	6	10	6	8	9	7	10
3	-	-	-	1	-	-	1
7	1	5	6	-	6	6	10
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2010	2011	2012	2013	2014	2015	2016	2017
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6	4	1	8	7	9	5	7
6	4	1	8	7	9	5	7
-	-	-	-	3	-	-	-
-	3	-	-	3	5	3	3
4	-	1	6	-	3	2	-
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-	1	-	-	-	-	-	4
-	1	1	-	-	-	-	4
-	5	-	-	7	11	6	-
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-	1	-	-	1	-	-	-
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22	23	21	26	24	12	24	20
10	10	7	9	4	5	7	4
3	2	-	2	1	3	5	-
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-	4	-	6	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
7	4	4	-	-	-	-	-
7	4	-	-	-	-	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	2	-	-	-
-	-	-	-	1	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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4	-	-	3	-	3	1	-
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	1	-	-	-	-
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3	1	4	-	5	-	-	-
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31	30	27	20	32	35	29	24
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2010	2011	2012	2013	2014	2015	2016	2017
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6	8	5	6	4	9	3	6
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-	-	-	1	-	-	-	-
-	-	1	-	-	1	-	-
-	-	-	-	1	2	1	3

2010	2011	2012	2013	2014	2015	2016	2017
4	6	1	-	1	4	-	1
5	10	3	5	14	8	4	7
5	10	3	5	14	8	4	7
-	7	3	3	2	5	4	5
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6	7	11	5	7	7	7	-
6	7	11	5	7	7	7	-
6	6	10	5	5	6	6	-
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5	-	-	-	-	-	-	-
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5	8	11	6	3	-	9	10
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-	-	-	1	-	-	-	3
-	-	-	-	-	-	-	-
-	-	-	1	-	-	-	1

2010	2011	2012	2013	2014	2015	2016	2017
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3	9	16	5	4	7	10	4
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-	4	12	-	3	5	6	3
-	4	3	3	1	-	3	-

2010	2011	2012	2013	2014	2015	2016	2017
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2,310	2,402	2,352	2,306	2,371	2,399	2,702	2,707
1,189	1,246	1,241	1,221	1,246	1,231	1,316	1,371
191	190	204	201	191	175	179	174
89	109	109	111	105	98	91	85
10	15	7	18	14	18	14	16
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6	5	-	4	3	4	3	7
-	-	1	-	1	-	4	-
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-	-	-	-	-	-	4	-
4	13	9	18	11	10	11	14
-	3	3	5	3	4	5	6
-	6	5	9	6	6	4	7
-	1	1	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
8	4	6	12	5	6	7	5
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8	7	10	6	7	5	-	5
8	7	10	6	7	5	-	5
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6	-	5	4	5	4	3	-
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3	-	1	-	3	1	-	-
27	21	36	18	27	28	26	19
7	-	10	-	5	8	-	-
8	7	8	4	6	6	7	5

2010	2011	2012	2013	2014	2015	2016	2017
7	10	11	6	10	10	14	7
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23	38	26	24	27	22	20	19
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18	34	21	20	24	20	17	15
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95	77	89	87	84	74	86	87
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-	1	-	-	-	-	-	-
5	3	1	-	2	2	4	-
5	3	1	-	2	2	4	-
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-	-	-	-	-	-	-	1
-	-	-	-	-	-	1	-

2010	2011	2012	2013	2014	2015	2016	2017
26	26	27	23	16	26	30	39
9	12	9	8	5	3	11	8
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3	-	1	3	1	4	3	3
-	-	-	-	-	1	-	-
-	-	-	-	-	1	-	5
3	-	-	1	1	-	6	-
-	-	-	-	-	-	-	5
3	3	6	6	2	9	3	6
13	14	11	13	13	10	15	15
8	11	8	8	9	7	12	10
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6	4	5	7	3	3	3	-
-	-	-	-	-	1	-	-
14	12	12	10	12	9	14	12
3	-	-	-	3	6	3	-
11	11	11	8	9	3	11	10

2010	2011	2012	2013	2014	2015	2016	2017
12	1	6	5	3	5	3	4
11	1	5	3	3	3	-	-
-	-	-	1	-	2	-	-
14	15	24	25	29	16	14	14
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-	-	-	-	-	-	1	1
7	4	5	3	-	3	-	1
7	4	5	3	-	3	-	1
5	4	5	3	-	3	-	1
311	268	273	263	272	269	282	287
48	44	44	44	47	62	42	54
27	20	19	26	23	31	21	28
10	6	10	15	9	17	9	16
13	9	6	10	11	13	12	10
7	4	3	3	3	7	6	7
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5	4	-	-	-	6	5	7

2010	2011	2012	2013	2014	2015	2016	2017
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13	20	22	15	21	24	15	19
5	13	9	9	14	13	9	13
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13	16	11	5	10	5	7	8
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-	-	-	-	-	-	2	4
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32	20	33	24	27	29	19	30
20	12	26	19	17	23	15	24
7	4	7	6	6	8	7	9

2010	2011	2012	2013	2014	2015	2016	2017
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12	8	7	5	10	6	4	6
-	-	-	-	-	-	-	-
11	6	7	4	8	6	4	6
79	86	67	45	69	58	71	60
64	70	58	41	51	45	59	49
30	35	27	17	22	18	26	28
30	30	29	21	29	25	29	21
5	9	7	4	5	4	3	4
-	2	-	2	2	2	-	-
-	-	3	-	-	-	-	-
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11	11	7	7	12	5	10	7
11	11	7	7	12	5	10	7
9	8	6	5	7	4	-	4
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52	21	30	34	29	39	44	37
52	21	30	34	29	39	44	37

2010	2011	2012	2013	2014	2015	2016	2017
43	19	22	31	26	35	43	35
13	11	8	10	18	8	12	13
6	6	6	4	14	3	5	6
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6	5	-	5	2	3	3	7
6	4	-	5	2	3	3	7
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12	7	6	13	6	6	10	3
11	5	5	11	6	5	9	3
8	4	5	7	5	4	8	3
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14	12	23	21	9	18	26	24
7	8	10	6	4	9	6	7
7	8	10	6	4	9	6	7
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6	4	8	-	-	6	3	4
7	4	13	15	5	9	20	17

2010	2011	2012	2013	2014	2015	2016	2017
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19	17	15	29	24	25	21	23
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5	3	4	13	6	13	7	9
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15	18	21	24	16	12	15	21
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13	16	15	20	12	11	11	14
7	5	10	10	7	6	6	8
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661	749	741	733	766	765	825	882



2010	2011	2012	2013	2014	2015	2016	2017
32	29	32	24	35	23	22	21
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24	25	25	19	24	12	12	13
24	25	25	19	24	12	12	13
6	14	13	12	14	5	7	7
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2010	2011	2012	2013	2014	2015	2016	2017
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416	485	500	493	503	546	570	599
254	303	325	321	309	332	378	409
45	70	66	76	69	62	83	78
193	215	232	219	219	254	277	300
123	145	155	127	139	147	170	190
23	12	31	24	24	33	28	29
139	158	166	167	189	207	187	183
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62	61	70	60	74	97	65	80
69	90	87	93	91	91	104	84
63	74	60	66	69	55	71	64
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44	47	44	48	48	31	47	44

2010	2011	2012	2013	2014	2015	2016	2017
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67	82	73	69	81	71	73	90
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2010	2011	2012	2013	2014	2015	2016	2017
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23	35	33	28	33	32	29	41
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26	39	23	24	17	22	30	28

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43	56	42	40	35	42	46	43
14	17	18	8	13	14	14	10
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11	10	18	8	12	13	11	8
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4	11	7	-	2	1	3	4
3	7	3	-	2	1	-	1
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2010	2011	2012	2013	2014	2015	2016	2017
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16	13	4	10	12	13	14	13
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2010	2011	2012	2013	2014	2015	2016	2017
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113	98	85	87	117	83	117	101
24	36	21	21	29	19	26	32
12	23	6	12	15	11	14	20
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2010	2011	2012	2013	2014	2015	2016	2017
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89	62	64	66	88	64	91	69
63	42	50	48	59	40	64	48
34	22	25	29	27	20	37	21
25	18	14	19	11	15	24	12



2010	2011	2012	2013	2014	2015	2016	2017
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13	10	9	4	11	6	10	8
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8	6	8	8	15	17	8	9
7	5	5	8	9	13	5	4

2010	2011	2012	2013	2014	2015	2016	2017
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3	4	5	7	7	10	5	4
364	433	409	430	425	477	540	532
76	74	57	87	80	76	100	69
76	74	57	87	80	76	100	69
9	13	8	10	4	13	14	10
6	11	8	10	4	13	12	8
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2010	2011	2012	2013	2014	2015	2016	2017
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8	6	-	7	7	3	5	6
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7	4	9	7	9	10	4	7

2010	2011	2012	2013	2014	2015	2016	2017
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288	359	350	342	342	401	439	460
236	292	293	291	287	334	372	397
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19	33	34	44	39	39	51	38
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11	21	23	37	34	37	49	33
6	9	5	3	-	-	1	4

2010	2011	2012	2013	2014	2015	2016	2017
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34	39	31	36	27	46	43	55
30	35	28	33	24	40	38	50
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24	31	24	31	21	36	35	44
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171	205	213	192	201	233	254	279
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21	17	20	15	24	20	16	38
133	171	171	158	162	187	208	214
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2010	2011	2012	2013	2014	2015	2016	2017
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52	67	57	51	55	67	67	63
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3	9	1	4	9	6	9	-
171	154	141	135	146	139	159	189
30	37	34	32	40	30	42	43
30	37	34	32	40	30	42	43
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2010	2011	2012	2013	2014	2015	2016	2017
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6	10	3	8	10	1	8	7
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141	117	107	103	106	109	117	146
61	56	46	42	41	47	56	65
16	13	6	12	6	10	7	9
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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3	5	4	2	6	-	3	5

2010	2011	2012	2013	2014	2015	2016	2017
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9	9	5	-	8	-	5	8
9	9	5	-	8	-	5	8
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238	231	232	207	216	225	298	262
84	93	80	69	81	82	96	91
47	48	39	35	32	49	53	38
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25	26	29	22	23	24	25	21
25	26	29	22	23	24	25	21
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2010	2011	2012	2013	2014	2015	2016	2017
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154	138	152	138	135	143	202	171
32	33	32	24	28	25	37	33
23	23	25	16	18	20	30	26
19	22	21	15	14	17	24	21

2010	2011	2012	2013	2014	2015	2016	2017
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7	10	6	7	10	4	7	7
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6	6	4	4	6	4	4	3
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122	105	120	114	107	118	165	138
43	34	43	43	-	-	-	-
43	34	43	43	-	-	-	-
42	34	33	32	-	-	-	-
42	34	33	32	-	-	-	-
34	32	30	30	-	-	-	-
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7	6	14	6	11	12	14	9
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28	31	27	32	22	18	23	26
28	31	27	32	22	18	23	26
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2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	35	39	52	53
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192	183	199	186	186	202	223	205
117	102	105	111	111	125	146	132
75	68	71	71	79	91	105	95
51	41	47	43	48	45	70	65
47	36	38	37	42	41	64	57
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9	9	11	11	15	19	19	11
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2010	2011	2012	2013	2014	2015	2016	2017
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27	25	20	25	21	25	27	24
27	25	20	25	21	25	27	24
9	5	10	5	7	4	10	9
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39	46	40	33	30	40	33	36
15	19	20	17	14	16	14	10
9	17	10	12	13	15	11	8
3	8	1	9	6	9	6	5
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4	6	4	3	1	6	1	10
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3	4	1	-	-	3	3	4

2010	2011	2012	2013	2014	2015	2016	2017
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9	8	7	6	9	8	5	5
3	4	-	-	3	-	2	4
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20	13	32	27	24	23	21	20
20	13	32	27	24	23	21	20
-	-	-	-	3	1	-	2
-	-	-	-	3	1	-	2
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6	3	4	5	-	5	4	-
6	3	4	5	-	5	4	-
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3	8	7	2	8	6	8	6
3	8	7	2	8	6	8	6
6	5	9	4	6	-	11	5
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3	3	1	-	1	-	3	3
-	-	-	1	-	-	2	-
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[illegible]



2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	1
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97	97	101	128	93	110	101	112
19	19	24	23	18	20	16	25
18	18	23	22	18	20	15	23
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	-	-	-	1
-	-	-	-	-	-	-	1

2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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-	1	-	-	-	-	-	-
-	1	-	-	-	-	-	-
-	-	-	-	-	-	-	-
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6	-	6	3	-	-	-	-
5	-	6	3	-	-	-	-
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72	73	68	99	73	88	80	84
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-	1	-	5	-	-	-	-
-	1	-	-	1	-	-	-
-	-	-	3	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	3	-	-	-	-
5	3	4	5	-	-	1	2
5	3	4	5	-	-	1	2
-	-	-	-	-	-	-	1
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49	63	58	79	66	77	71	78
49	63	58	79	66	77	71	78
46	61	52	79	62	74	68	76
3	2	6	-	4	-	3	-
109	108	90	72	72	81	97	91

2010	2011	2012	2013	2014	2015	2016	2017
16	22	21	11	14	17	16	15
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-	4	1	1	-	-	-	2
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93	86	69	61	58	64	81	76

2010	2011	2012	2013	2014	2015	2016	2017
5	4	7	7	7	6	8	5
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-	1	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	-	-	1	-	-
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-	-	-	-	-	1	1	-



2010	2011	2012	2013	2014	2015	2016	2017
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14	20	8	16	16	14	24	8
14	20	8	16	16	14	24	8
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12	14	5	13	13	14	22	7
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6	8	5	9	7	4	5	7
4	4	-	4	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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-	1	1	-	-	-	-	-
-	1	1	-	-	-	-	-
-	1	1	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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63	48	40	26	24	38	41	51
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45	30	25	20	14	26	28	43
45	30	25	20	14	26	28	43
34	14	13	14	9	15	19	22
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10	11	11	4	-	9	7	18
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-	3	3	1	3	-	-	1
-	-	-	1	-	-	1	-

2010	2011	2012	2013	2014	2015	2016	2017
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12	4	6	-	3	3	5	-
12	4	6	-	3	3	5	-
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5	11	4	3	3	5	-	3
3	7	2	3	1	4	1	3
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-	-	-	-	2	-	-	-
-	-	-	-	1	-	-	-
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269	297	256	282	269	257	291	265
15	25	23	19	21	30	25	27
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-
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254	272	233	263	248	227	266	238
18	28	22	25	24	25	24	25
3	7	9	10	10	9	8	7
3	-	5	5	4	6	5	6

2010	2011	2012	2013	2014	2015	2016	2017
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-	1	1	-	-	-	4	-
-	-	4	4	2	-	-	-
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14	21	13	15	14	16	16	18
14	21	13	15	14	16	16	18
4	-	3	8	7	-	3	3
-	-	-	3	-	-	-	-
-	-	-	-	1	-	-	-
4	-	3	5	3	-	3	3
3	-	-	-	-	-	-	-
-	-	3	5	-	-	3	2
-	1	-	1	1	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
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10	17	10	6	6	15	11	14
3	14	6	4	4	13	3	8
6	3	3	2	1	-	6	6
-	1	1	-	1	-	-	-
-	-	-	-	-	-	-	2
-	-	-	-	-	-	-	2
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16	16	6	20	22	13	18	12
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-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
14	15	6	19	22	13	18	12
6	8	-	7	6	-	8	4
-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-
6	7	-	6	6	-	8	4
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3	2	-	-	3	-	4	4
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42	42	47	47	39	38	37	31
34	32	40	38	32	30	32	26
34	32	40	38	32	30	32	26
33	30	36	38	29	26	31	25
33	30	36	38	29	26	31	25
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-	-	3	-	-	-	-	-
-	-	-	-	-	2	-	-



2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	2	-	-
8	10	7	9	7	8	5	5
4	2	5	5	-	7	-	-
-	-	-	-	-	1	-	-
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8	6	3	5	6	7	6	8
8	5	-	5	6	7	6	7
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	4	4	3	-	-

2010	2011	2012	2013	2014	2015	2016	2017
5	-	-	4	4	3	-	-
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-	3	-	1	-	3	3	3
-	-	-	-	-	-	2	-
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-	-	3	-	-	1	-	-
-	-	1	-	-	1	-	-
-	-	1	-	-	-	-	-
-	-	-	-	-	1	-	-

2010	2011	2012	2013	2014	2015	2016	2017
169	177	148	162	156	143	175	155
14	3	6	10	5	7	1	4
14	3	6	10	5	7	1	4
-	-	-	-	-	-	-	-
4	-	-	3	-	-	-	-
-	-	-	1	-	-	-	-
6	-	-	-	-	-	1	-
-	1	1	2	-	-	-	1
145	169	129	150	135	118	167	145
145	169	129	150	135	118	167	145
-	-	-	3	-	3	2	1
106	133	92	76	94	79	115	100
-	-	-	-	1	-	-	-
5	-	3	2	2	-	5	2
-	-	-	-	-	1	-	-
31	33	29	67	35	33	42	39
-	-	1	-	5	13	-	-
-	-	1	-	5	13	-	-
-	-	1	-	4	13	-	-
-	3	6	-	-	-	2	4
-	3	6	-	-	-	2	4
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	4	-	1	-	2	3
5	-	3	1	4	-	-	-
5	-	3	1	4	-	-	-
3	-	-	-	-	-	-	-
-	-	1	1	2	1	-	-
-	-	-	-	5	-	5	-
-	-	-	-	5	-	5	-
-	-	-	-	4	-	-	-
-	-	-	-	-	-	3	-
738	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
404	-	-	-	-	-	-	-
265	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
10	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-
228	-	-	-	-	-	-	-
91	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-
91	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-
646	-	-	-	-	-	-	-
522	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
117	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
18	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
51	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
100	-	-	-	-	-	-	-
82	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
414	-	-	-	-	-	-	-
164	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-
76	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
48	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
40	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
140	-	-	-	-	-	-	-
57	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
61	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
1,857	-	-	-	-	-	-	-
1,044	-	-	-	-	-	-	-
535	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
132	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
191	-	-	-	-	-	-	-
112	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
267	-	-	-	-	-	-	-
212	-	-	-	-	-	-	-
189	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
276	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
233	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-
158	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
280	-	-	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
96	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-
126	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
60	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
152	-	-	-	-	-	-	-
53	-	-	-	-	-	-	-
191	-	-	-	-	-	-	-
110	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
832	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
518	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
405	-	-	-	-	-	-	-
37	-	-	-	-	-	-	-
270	-	-	-	-	-	-	-
270	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
160	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
88	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
81	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
34	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
355	-	-	-	-	-	-	-
73	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
22	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
152	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
310	-	-	-	-	-	-	-
80	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
9	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
88	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
81	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
102	-	-	-	-	-	-	-
88	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
249	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
114	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-
710	-	-	-	-	-	-	-
635	-	-	-	-	-	-	-
233	-	-	-	-	-	-	-
212	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
212	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
22	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
96	-	-	-	-	-	-	-
65	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
1,932	-	-	-	-	-	-	-
156	-	-	-	-	-	-	-
104	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
85	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
1,365	-	-	-	-	-	-	-
239	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
969	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-
66	-	-	-	-	-	-	-
235	-	-	-	-	-	-	-
464	-	-	-	-	-	-	-
102	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
56	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
260	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
54	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
196	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
62	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
786	-	-	-	-	-	-	-
536	-	-	-	-	-	-	-
515	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
175	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
118	-	-	-	-	-	-	-
99	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
42	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
50	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
49	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
126	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
39	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
54	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

[illegible]

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
202	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
3	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
104	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
30	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
181	-	-	-	-	-	-	-
34	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
11	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
94	-	-	-	-	-	-	-
90	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
75	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-
708	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
485	-	-	-	-	-	-	-
58	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
4	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
179	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
189	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
183	-	-	-	-	-	-	-
596	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
115	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
41	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
13	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
179	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
91	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
299	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-
33	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
52	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-
71	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
193	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
12	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
129	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
83	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
26	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
777	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
670	-	-	-	-	-	-	-
111	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
521	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
36	-	-	-	-	-	-	-
85	-	-	-	-	-	-	-
285	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
45	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
11	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
47	-	-	-	-	-	-	-
46	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
137	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-
82	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
74	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-
1,665	4,693	4,628	4,585	4,821	4,836	5,190	5,147
4,687	-	-	-	-	-	-	-
137	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
38	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-
78	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
617	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
535	-	-	-	-	-	-	-
43	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
98	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
93	-	-	-	-	-	-	-
765	-	-	-	-	-	-	-
69	-	-	-	-	-	-	-
204	-	-	-	-	-	-	-
44	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
40	-	-	-	-	-	-	-
35	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
1,714	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
108	-	-	-	-	-	-	-
259	-	-	-	-	-	-	-
1,287	-	-	-	-	-	-	-
320	-	-	-	-	-	-	-
128	-	-	-	-	-	-	-
163	-	-	-	-	-	-	-
459	-	-	-	-	-	-	-
200	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-

2010	2011	2012	2013	2014	2015	2016	2017
3	-	-	-	-	-	-	-
970	-	-	-	-	-	-	-
771	-	-	-	-	-	-	-
765	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
32	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-
143	-	-	-	-	-	-	-
721	-	-	-	-	-	-	-
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354	-	-	-	-	-	-	-
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49	-	-	-	-	-	-	-
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8	-	-	-	-	-	-	-
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2010	2011	2012	2013	2014	2015	2016	2017
47	-	-	-	-	-	-	-
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8	-	-	-	-	-	-	-
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180	-	-	-	-	-	-	-
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14	-	-	-	-	-	-	-
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71	-	-	-	-	-	-	-
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9	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-
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4	-	-	-	-	-	-	-
796	-	-	-	-	-	-	-
1,969	-	-	-	-	-	-	-



2010	2011	2012	2013	2014	2015	2016	2017
-	791	803	773	765	703	866	807
-	718	725	686	689	646	792	733
-	468	475	404	409	417	500	458
-	365	381	322	307	354	394	351
-	42	35	38	40	28	38	47
-	27	34	21	29	20	35	30
-	6	3	-	7	3	10	5
-	-	1	2	-	-	-	1
-	10	8	10	12	6	6	8
-	250	249	282	280	229	291	275
-	113	117	134	130	116	133	144
-	86	89	102	98	69	103	95
-	18	16	13	11	13	24	10
-	7	5	6	9	5	7	4
-	7	6	4	8	6	7	7
-	10	9	10	13	8	10	6
-	36	40	52	35	26	27	28
-	16	23	17	29	17	19	24
-	9	12	7	13	8	12	10

2010	2011	2012	2013	2014	2015	2016	2017
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-	20	17	35	6	9	8	4
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-	37	38	35	41	31	47	46
-	13	10	10	16	13	17	17
-	12	8	8	14	13	15	14
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-	23	26	23	24	18	28	28
-	8	13	10	4	4	4	5
-	4	4	-	6	3	5	8
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-	-	1	1	-	-	-	-
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-	1,937	1,923	1,865	1,984	2,054	2,083	2,077
-	145	127	136	135	139	130	126
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-	44	38	48	62	52	44	35

2010	2011	2012	2013	2014	2015	2016	2017
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-	27	24	33	48	35	33	29
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-	82	74	59	53	67	78	79
-	7	6	11	15	11	18	14
-	7	10	-	-	-	16	-
-	64	58	44	34	49	40	42
-	7	3	12	7	13	3	6
-	50	38	41	57	50	50	48
-	42	34	28	43	33	36	33
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-	34	28	25	38	31	32	33
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-	-	-	1	-	-	-	4
-	-	-	-	-	-	-	1
-	4	2	9	10	12	11	7

2010	2011	2012	2013	2014	2015	2016	2017
-	29	15	8	14	15	16	10
-	25	12	7	12	10	13	6
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-	18	8	3	8	8	7	4
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-	4	3	1	-	5	3	4
-	3	-	-	-	4	-	4
-	-	1	1	-	-	-	-
-	316	293	294	318	289	342	313
-	63	65	48	53	44	58	56
-	-	10	-	5	7	6	-
-	40	42	34	36	24	38	42
-	20	11	13	10	10	14	11
-	73	73	83	75	83	73	71
-	9	6	5	-	3	7	6
-	61	63	70	70	72	66	61
-	1	3	6	4	8	-	4
-	50	54	49	67	48	54	50

2010	2011	2012	2013	2014	2015	2016	2017
-	9	12	6	14	7	6	6
-	37	37	41	51	38	45	40
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-	116	96	106	106	100	142	125
-	3	2	-	-	1	-	1
-	48	42	48	48	42	59	62
-	58	42	48	41	44	68	53
-	72	63	60	55	44	48	68
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-	8	4	8	-	-	10	6
-	5	4	3	1	-	5	3
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-	21	18	10	17	16	11	24
-	-	2	-	-	-	-	1
-	22	21	24	21	14	16	25
-	4	5	12	7	3	1	3
-	6	5	3	2	5	5	3
-	1,103	1,153	1,099	1,157	1,264	1,252	1,299
-	525	565	564	611	660	628	663

2010	2011	2012	2013	2014	2015	2016	2017
-	150	124	144	146	166	168	189
-	172	204	192	230	224	199	214
-	111	134	136	131	154	150	149
-	63	71	66	67	89	73	77
-	23	22	18	29	21	35	29
-	313	338	332	317	360	342	377
-	15	11	14	16	13	10	19
-	292	318	311	292	335	321	348
-	3	5	5	7	6	5	9
-	262	247	201	228	240	278	252
-	208	202	171	193	201	238	197
-	23	23	11	13	16	16	16
-	-	-	2	3	2	2	-
-	12	6	6	4	10	13	14
-	11	15	10	7	6	5	16
-	222	233	227	248	253	245	209
-	8	9	11	9	16	17	15
-	-	-	5	4	4	4	4

2010	2011	2012	2013	2014	2015	2016	2017
-	5	6	4	1	7	8	9
-	42	44	34	48	48	43	27
-	12	8	5	11	12	5	3
-	169	175	181	191	182	182	166
-	113	115	118	127	131	120	111
-	5	3	6	10	3	7	6
-	28	27	37	31	30	25	27
-	-	-	-	-	-	-	1
-	10	22	15	13	13	18	14
-	3	-	-	-	-	1	1
-	144	122	149	137	121	88	123
-	62	34	82	53	46	32	38
-	7	-	11	3	4	-	3
-	17	6	16	20	12	15	14
-	7	5	4	4	6	-	3
-	-	-	1	5	6	-	3
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-	12	-	22	3	4	3	7
-	16	16	13	14	10	7	5

2010	2011	2012	2013	2014	2015	2016	2017
-	82	88	67	84	75	55	85
-	7	3	2	-	-	3	6
-	17	28	24	29	28	22	28
-	35	45	24	38	36	22	41
-	1	-	3	-	1	-	-
-	681	704	724	818	800	849	887
-	-	6	6	4	3	3	4
-	-	4	3	3	-	-	-
-	-	3	-	-	-	-	-
-	111	120	110	138	125	134	151
-	13	24	22	28	18	32	31
-	-	-	1	-	-	4	7
-	2	3	-	-	-	3	-
-	7	11	12	19	4	16	8
-	-	3	3	-	3	4	5
-	22	19	30	27	27	22	21
-	4	6	-	-	4	-	4
-	12	5	7	15	16	4	9
-	553	570	595	660	648	697	713
-	38	35	45	44	55	65	48



2010	2011	2012	2013	2014	2015	2016	2017
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-	-	4	-	5	-	5	3
-	4	7	4	-	8	5	9
-	9	3	4	4	6	11	8
-	-	6	4	-	7	7	4
-	5	3	4	3	7	4	3
-	15	10	20	22	21	26	15
-	60	72	68	82	87	87	85
-	-	3	1	-	4	4	-
-	6	-	7	12	6	3	5
-	9	8	13	16	16	15	11
-	11	10	8	11	13	14	20
-	-	10	12	9	14	14	10
-	9	11	10	13	10	10	9
-	18	22	7	18	19	18	25
-	441	453	474	526	492	538	562

2010	2011	2012	2013	2014	2015	2016	2017
-	52	53	66	77	60	79	79
-	56	56	52	96	74	73	84
-	65	65	74	66	63	91	102
-	46	47	59	63	54	58	62
-	28	33	44	34	46	49	43
-	33	25	22	27	32	35	35
-	85	81	67	65	74	70	83
-	3	4	3	3	8	4	4
-	-	4	3	3	7	-	4
-	-	-	-	-	-	-	1
-	-	-	-	-	1	-	1
-	-	-	-	-	1	-	-
-	-	1	-	-	1	-	-
-	419	340	335	390	424	518	531
-	174	156	141	154	134	154	136
-	95	76	85	87	83	86	79
-	26	18	26	24	27	29	30
-	56	53	50	60	54	51	49
-	75	74	52	67	49	66	55

2010	2011	2012	2013	2014	2015	2016	2017
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-	62	67	44	60	42	60	47
-	63	41	38	26	40	48	38
-	61	31	34	18	37	39	32
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-	-	6	4	6	-	4	3
-	144	110	124	182	215	268	317
-	73	65	82	114	165	217	272
-	57	40	39	59	45	39	43
-	55	39	39	59	45	39	43
-	-	3	-	-	-	4	-
-	9	-	-	6	-	7	1
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-	1	-	-	1	-	-	-
-	35	33	30	27	35	47	39
-	23	24	16	17	19	25	27
-	9	7	8	5	7	13	10
-	3	-	5	5	9	9	-

2010	2011	2012	2013	2014	2015	2016	2017
-	710	723	721	715	722	761	695
-	476	519	509	503	519	553	503
-	196	201	197	202	216	232	197
-	37	25	40	32	27	42	20
-	68	70	63	70	78	81	66
-	9	20	16	21	16	21	13
-	35	42	31	35	44	33	44
-	7	9	6	4	7	13	12
-	38	32	39	37	40	39	37
-	8	21	10	8	8	13	9
-	3	3	2	-	-	-	1
-	4	10	6	6	5	9	5
-	219	241	245	243	247	255	237
-	3	-	3	-	-	-	-
-	55	80	78	69	88	66	55
-	24	27	29	21	22	15	28
-	15	20	21	14	18	9	16

2010	2011	2012	2013	2014	2015	2016	2017
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-	6	4	4	5	6	8	9
-	5	3	-	5	5	8	5
-	18	16	17	16	12	17	11
-	3	3	3	-	1	-	1
-	5	4	3	3	10	4	8
-	-	-	-	-	4	-	-
-	-	-	-	-	4	-	-
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-	145	124	131	132	99	117	108
-	118	93	105	105	74	103	76
-	62	41	57	48	26	62	37
-	45	40	42	45	36	36	31
-	9	15	5	10	5	-	8
-	-	-	-	-	1	-	-
-	3	-	1	1	3	3	-

2010	2011	2012	2013	2014	2015	2016	2017
-	84	73	78	74	90	82	70
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-	47	39	28	24	33	27	22
-	9	9	17	22	23	8	16
-	7	6	15	10	9	19	16
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2010	2011	2012	2013	2014	2015	2016	2017
-	164	129	142	200	233	267	335
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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-	16	11	18	27	43	54	59
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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-	57	56	58	66	71	73	68
-	17	16	12	22	19	15	17
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-	5	9	2	9	6	7	4
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	1	1	2	1	3	2
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-	-	-	1	1	-	4	2
-	2	3	1	1	2	-	1
-	157	153	148	146	139	147	134
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2010	2011	2012	2013	2014	2015	2016	2017
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-	97	88	100	92	62	80	79
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-	95	78	91	85	57	76	76
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-	51	42	43	46	29	46	49
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-	5	4	1	-	5	1	2
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2010	2011	2012	2013	2014	2015	2016	2017
-	114	102	92	114	83	104	80
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-	10	5	6	8	6	3	4
-	6	3	6	6	6	6	5
-	67	72	50	73	51	73	55
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-	15	10	19	15	9	16	8
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-	3	6	5	4	2	1	-
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2010	2011	2012	2013	2014	2015	2016	2017
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-	232	234	210	240	262	262	264
-	8	9	6	8	13	11	6
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-	7	8	6	8	13	7	6
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-	9	8	11	9	7	4	10

2010	2011	2012	2013	2014	2015	2016	2017
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-	210	213	185	219	234	241	231
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-	200	213	180	218	232	236	224
-	180	198	167	196	211	213	202
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2010	2011	2012	2013	2014	2015	2016	2017
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-	7	10	13	14	17	8	7
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-	5	-	-	-	1	2	2
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-	6	3	5	6	6	4	5
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2010	2011	2012	2013	2014	2015	2016	2017
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-	10	3	10	16	17	10	6
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-	2	-	-	2	8	-	-
-	-	1	1	-	-	-	1
-	3	6	3	9	4	10	8
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-	160	178	177	138	173	165	183
-	41	28	28	25	31	38	30
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2010	2011	2012	2013	2014	2015	2016	2017
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-	81	111	107	75	103	97	109
-	66	87	86	67	87	82	90
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-	12	15	15	19	19	19	27
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-	1	1	2	3	3	4	6
-	2	-	1	-	1	2	2

2010	2011	2012	2013	2014	2015	2016	2017
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-	8	7	4	2	8	4	9
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-	140	109	144	115	129	137	709
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-	64	47	65	54	58	63	335
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2010	2011	2012	2013	2014	2015	2016	2017
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-	6	6	4	3	6	2	3
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-	12	13	18	14	15	20	14
-	18	14	18	7	13	12	19
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-	7	10	14	3	11	7	8
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-	8	2	2	4	2	-	7
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-	2	1	3	3	1	2	3
-	16	15	5	9	6	7	4
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-	3	5	6	4	11	2	12

2010	2011	2012	2013	2014	2015	2016	2017
-	603	623	561	585	621	706	685
-	55	48	52	57	35	49	63
-	47	38	47	45	26	42	52
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-	43	34	43	38	24	38	41
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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-	14	8	6	8	11	6	9
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-	496	516	471	454	486	549	514
-	496	514	470	453	486	548	512
-	274	307	274	280	304	360	340
-	73	56	71	49	67	71	55
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-	-	-	-	1	-	-	1
-	7	12	4	5	4	5	4
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-	2	7	-	1	-	3	2
-	742	771	759	825	869	862	853
-	11	12	11	10	8	19	1

2010	2011	2012	2013	2014	2015	2016	2017
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-	46	38	29	47	34	39	31
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-	627	662	664	722	771	751	762
-	134	140	145	149	178	170	165
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-	105	106	104	108	139	141	125

2010	2011	2012	2013	2014	2015	2016	2017
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-	3	2	1	-	1	4	1
-	332	345	346	379	411	394	417
-	259	278	274	297	320	307	337
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-	21	21	13	23	22	23	30
-	7	3	9	4	10	8	11
-	2	-	1	4	1	-	2
-	18	16	19	27	23	33	22
-	3	7	1	3	2	2	2
-	6	2	12	7	9	3	3
-	157	172	170	188	177	183	178
-	99	116	125	109	116	110	116
-	56	56	45	79	61	72	61
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-	43	44	36	38	47	35	41
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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2010	2011	2012	2013	2014	2015	2016	2017
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-	-	1	1	-	1	1	1
-	-	-	1	-	1	-	-
-	-	-	1	-	-	-	-
-	14	9	8	10	12	7	12
-	1	-	-	1	-	-	-
-	11	9	8	8	11	7	11
-	6	8	5	7	8	4	11
-	1	-	-	1	-	-	-
4,690	1,912	1,903	1,908	2,027	2,048	2,257	1,653
-	4,687	4,625	4,582	4,816	4,831	5,183	5,139
-	147	149	143	195	180	198	190
-	38	28	30	50	46	48	54
-	37	52	53	57	62	68	67
-	28	45	49	54	53	59	61
-	-	-	-	-	1	1	-
-	-	-	-	-	1	-	-
-	67	64	59	87	69	75	66
-	16	18	22	15	18	28	24
-	4	3	4	1	2	6	3
-	1	-	3	-	2	3	3
-	3	-	1	1	-	3	-

2010	2011	2012	2013	2014	2015	2016	2017
-	3	-	-	-	-	1	1
-	3	-	-	-	-	1	1
-	8	10	14	13	14	18	15
-	5	6	7	4	9	7	9
-	1	3	4	3	2	6	2
-	-	-	3	2	1	4	2
-	-	-	-	1	1	1	-
-	-	-	1	-	-	-	2
-	-	-	-	-	-	-	1
-	-	-	-	-	-	1	-
-	596	601	547	547	558	648	605
-	18	13	8	20	13	24	12
-	13	13	7	19	13	22	12
-	2	-	1	1	-	2	-
-	21	13	17	21	21	20	26
-	59	55	52	51	38	57	56
-	495	517	468	452	484	545	509
-	2	1	2	3	-	2	1
-	3	3	1	3	3	5	4
-	2	-	-	-	-	2	1
-	-	3	1	2	3	3	3
-	90	100	85	103	78	76	90
-	6	1	3	7	3	2	1
-	-	-	-	1	-	-	-
-	-	-	-	1	-	-	-
-	5	-	1	3	2	1	-



2010	2011	2012	2013	2014	2015	2016	2017
-	79	94	77	89	74	72	84
-	2	-	1	-	-	-	1
-	-	3	1	-	3	1	2
-	39	68	46	65	55	43	53
-	3	2	5	7	-	2	3
-	-	-	-	1	-	-	-
-	2	2	3	4	-	2	3
-	-	3	-	-	-	-	1
-	1	2	-	-	-	-	-
-	729	797	732	830	803	795	812
-	68	87	80	110	85	84	97
-	-	1	1	-	3	2	3
-	205	211	183	216	209	235	214
-	126	151	130	142	149	182	158
-	65	37	41	22	41	45	36
-	3	7	3	3	4	6	3
-	-	-	-	-	-	-	1
-	3	5	3	2	4	6	2
-	-	1	-	-	-	-	-
-	60	30	36	19	37	37	32
-	57	29	32	16	34	33	28
-	2	-	4	2	1	3	3
-	2	-	2	-	-	1	1
-	2	-	2	-	-	-	1
-	-	-	-	-	-	1	-
-	1,722	1,692	1,754	1,790	1,855	1,940	2,013

2010	2011	2012	2013	2014	2015	2016	2017
-	1	-	-	-	1	-	-
-	9	10	8	12	7	11	10
-	-	-	-	1	-	-	1
-	3	-	-	2	1	-	1
-	1	2	1	-	1	-	-
-	-	-	-	1	-	1	-
-	104	110	113	105	94	100	80
-	57	47	60	52	42	50	46
-	280	258	282	316	362	362	363
-	1,314	1,224	1,249	1,306	1,293	1,446	1,362
-	256	275	299	312	259	279	256
-	132	126	103	124	113	148	140
-	172	154	138	147	132	155	136
-	521	496	509	480	526	542	465
-	219	159	196	240	260	318	361
-	199	144	187	221	243	297	345
-	9	7	8	13	13	17	10
-	-	4	1	3	2	1	-
-	-	-	-	-	-	-	1
-	3	-	-	-	-	-	-
-	9	10	-	1	1	3	3

2010	2011	2012	2013	2014	2015	2016	2017
-	1	-	3	-	-	-	1
-	3	4	-	2	-	1	-
-	-	-	-	-	-	1	-
-	930	1,020	955	1,040	1,004	1,018	1,060
-	742	808	751	846	816	812	836
-	730	798	733	832	804	795	813
-	10	7	10	7	8	12	20
-	-	-	6	-	1	2	2
-	-	1	1	4	1	-	-
-	-	-	2	1	2	-	-
-	29	22	32	25	23	24	24
-	11	6	8	6	3	2	7
-	-	-	3	-	1	2	1
-	3	-	-	2	-	-	-
-	2	1	-	1	-	2	-
-	3	3	2	3	-	3	1
-	7	10	14	9	12	10	13
-	-	-	-	-	-	-	1
-	-	-	-	-	2	-	-
-	1	1	1	-	1	1	1
-	6	1	6	1	3	1	1
-	207	208	202	238	195	258	203

2010	2011	2012	2013	2014	2015	2016	2017
-	-	-	-	-	-	-	1
-	-	-	1	-	-	-	-
-	-	-	-	1	1	1	-
-	796	768	781	735	785	854	745
-	370	345	363	347	362	379	325
-	3	-	2	-	-	-	1
-	4	2	3	4	4	3	7
-	-	1	-	2	1	-	1
-	6	-	-	-	-	-	-
-	55	62	62	50	57	60	71
-	16	11	13	16	23	14	20
-	3	6	7	3	9	15	13
-	-	1	3	6	1	3	3
-	63	47	59	42	51	65	39
-	1	-	-	-	-	-	-
-	1	-	-	-	-	-	-
-	1	-	-	-	-	-	-
-	1	-	1	-	-	-	-
-	30	21	30	23	32	32	33
-	11	8	13	10	11	11	15
-	16	12	13	11	11	12	10
-	-	-	-	-	1	3	2
-	1	-	1	-	2	1	-
-	183	175	154	160	162	173	153
-	27	19	12	10	21	29	24
-	12	4	7	6	5	10	8
-	8	7	3	3	7	13	10

2010	2011	2012	2013	2014	2015	2016	2017
-	1	4	3	1	1	4	-
-	1	-	-	1	-	1	-
-	4	-	-	1	3	4	2
-	-	-	-	-	2	-	1
-	-	-	-	-	-	-	1
-	1	-	-	-	2	1	-
-	3	4	-	1	7	3	3
-	-	2	-	1	4	2	1
-	-	-	-	-	1	-	-
-	-	-	-	-	-	1	-
-	1	-	-	-	-	-	-
-	3	3	2	-	-	-	2
-	3	1	1	-	-	-	-
-	-	1	-	-	-	-	-
-	-	-	1	-	-	-	-
-	-	-	1	-	-	-	-
-	-	-	-	-	-	-	1
-	57	59	58	80	71	74	63
-	40	45	35	54	51	53	44
-	8	7	10	16	9	16	13
-	14	13	9	9	11	15	11
-	7	9	6	19	20	15	11
-	7	-	-	3	4	-	4
-	2	-	-	1	-	-	1
-	12	8	10	12	12	11	14
-	2	-	6	4	3	4	3
-	1	-	-	-	-	-	1
-	1	-	-	-	-	-	-
-	-	-	1	-	-	-	-
-	-	-	-	2	1	1	-

2010	2011	2012	2013	2014	2015	2016	2017
-	1	5	6	7	3	2	-
-	1	1	-	-	-	1	-
-	-	-	1	-	-	-	-
-	704	610	623	684	681	792	779
-	1,970	1,944	1,953	2,032	2,079	2,165	2,272
-	117	108	100	124	119	122	140
-	122	100	132	105	128	154	137
-	322	286	310	347	398	388	402
-	6	6	8	10	13	12	10
-	1	-	1	-	1	2	1
-	6	3	1	2	9	1	4
-	3	3	-	4	1	2	1
-	364	448	417	453	443	476	492
-	79	107	99	79	86	64	80
1,944	1,985	1,966	1,890	2,037	2,121	2,154	2,132
1,221	1,273	1,300	1,245	1,302	1,407	1,384	1,403
165	172	155	147	145	155	159	159
87	99	82	79	90	87	89	73
677	718	783	737	790	847	811	861
98	101	101	107	104	116	119	101
25	22	22	18	14	12	17	19
4	4	3	-	3	2	4	1
11	14	10	12	9	15	12	13
25	26	26	22	22	22	27	18
267	256	264	244	256	289	253	278

2010	2011	2012	2013	2014	2015	2016	2017
18	12	17	11	15	14	16	23
62	45	44	53	40	49	40	49
63	88	110	90	108	125	107	112
24	4	4	6	7	7	3	9
37	51	43	42	39	36	29	46
4	7	5	4	3	5	1	5
5	3	2	5	6	8	5	1
13	17	10	2	8	9	8	4
51	46	43	49	60	52	71	56
6	-	3	4	4	5	9	4
25	24	23	30	30	28	39	35
7	11	8	9	12	15	12	5
3	3	3	2	5	-	4	1
-	3	4	1	-	-	1	1
-	1	-	-	-	-	-	-
-	-	-	2	3	1	-	2
4	5	1	5	6	6	6	7
28	38	40	32	37	32	56	38
137	183	142	171	198	185	196	192
24	20	19	25	31	24	28	26
40	68	42	52	64	69	72	62
192	151	144	128	153	130	158	134
152	110	103	108	115	101	121	105
6	4	5	4	5	1	3	5
12	9	15	9	12	6	16	6
388	389	415	397	422	405	392	365

2010	2011	2012	2013	2014	2015	2016	2017
93	79	94	84	77	84	73	60
10	6	12	10	10	15	8	8
8	5	10	13	8	12	12	5
23	18	17	8	20	16	9	9
15	8	5	7	11	3	5	4
9	14	10	10	3	7	7	5
20	15	20	20	12	22	26	22
39	40	45	43	49	36	32	30
4	2	3	3	7	2	2	3
8	11	14	10	5	8	6	9
-	2	-	1	1	2	3	-
34	46	44	42	43	36	24	39
3	5	4	2	4	1	-	5
18	28	23	19	18	13	9	20
4	-	4	3	3	2	1	4
-	4	-	-	-	-	3	-
20	19	23	22	22	19	29	24
-	2	5	3	7	1	8	2
-	3	5	-	1	1	4	1
7	7	4	10	10	9	10	13
-	2	2	1	-	1	1	-
16	16	6	9	15	17	7	14
5	-	2	-	3	4	3	3
-	6	-	-	-	-	-	3
-	4	-	3	-	1	1	4
-	1	-	-	-	2	1	-
41	42	36	37	33	45	26	25
141	145	159	154	170	162	198	171
49	55	53	53	66	48	66	45



2010	2011	2012	2013	2014	2015	2016	2017
65	55	66	86	85	97	122	107
7	-	8	4	4	5	2	1
4	1	5	4	7	2	-	-
-	-	-	-	1	-	-	-
964	919	904	890	969	968	1,023	1,024
352	311	325	302	334	357	373	369
71	52	56	51	45	73	63	72
152	135	133	150	156	167	203	174
63	73	78	56	80	68	66	82
3	13	4	3	3	13	6	7
387	347	342	349	363	350	375	374
173	161	149	165	177	178	189	166
75	61	63	74	61	65	72	69
8	14	25	18	13	7	22	12
36	27	23	29	31	21	22	36
63	69	66	70	87	66	69	67
70	87	72	69	93	77	86	96
-	1	2	1	1	-	-	1
5	10	7	7	4	4	11	3
10	11	3	12	10	11	10	13
12	17	11	9	17	9	12	10
-	2	2	-	1	-	2	1
16	21	6	9	7	17	10	14
11	16	3	5	5	8	7	7
-	1	-	2	-	1	-	-
38	36	48	42	49	39	44	45
-	-	1	-	-	-	-	1
29	23	38	25	42	25	36	38

2010	2011	2012	2013	2014	2015	2016	2017
6	4	4	6	4	6	6	4
145	190	137	148	142	110	160	132
13	23	11	51	17	16	10	12
55	68	38	35	45	39	57	46
12	19	7	10	14	10	15	9
291	227	240	282	240	215	230	206
4	8	5	11	9	8	9	15
30	16	21	16	11	17	25	27
-	-	2	-	4	4	1	2
99	92	106	106	105	101	117	90
24	25	10	8	14	9	4	8
-	2	1	-	3	5	-	-
-	5	2	-	-	1	-	1
5	6	3	4	4	1	-	3
-	1	-	-	-	-	-	-
18	20	18	18	14	21	14	15
75	48	51	72	51	45	43	32
-	1	3	1	2	1	-	1
8	3	5	4	2	7	10	3
11	12	5	5	7	7	5	8
10	13	10	21	13	11	10	7
300	291	288	297	319	308	342	325
79	103	60	84	107	100	108	103
46	48	34	42	56	66	65	53
21	24	15	24	29	14	23	26

2010	2011	2012	2013	2014	2015	2016	2017
-	4	1	4	4	5	5	5
-	9	3	4	2	1	5	6
-	3	1	1	1	1	1	-
11	9	6	7	8	6	10	2
186	153	194	175	179	175	181	189
30	25	27	34	20	20	24	33
44	33	52	34	33	46	41	64
93	82	96	85	107	87	103	84
-	2	4	4	-	3	-	3
-	-	-	2	1	1	1	1
4	4	6	4	3	5	5	-
5	3	2	-	4	3	1	4
17	15	14	15	11	11	18	17
3	3	3	2	3	3	6	5
12	9	10	12	6	8	11	12
435	463	439	441	458	374	444	452
188	198	194	175	162	153	185	159
71	63	48	53	46	36	35	48
-	3	-	4	4	3	2	11
44	40	22	21	24	16	17	25
7	1	-	3	-	-	-	-
30	30	22	14	15	18	28	32
13	14	4	11	4	11	17	20
4	6	9	1	5	1	4	6
37	32	28	28	33	23	40	37
-	-	-	1	1	1	1	2
17	23	18	23	19	16	14	13
-	3	-	-	1	-	2	-

2010	2011	2012	2013	2014	2015	2016	2017
441	436	452	452	487	514	597	582
57	40	36	32	50	55	42	44
10	3	3	5	4	7	5	4
166	135	178	170	185	200	260	231
482	396	387	368	409	393	411	421
41	45	55	47	59	52	49	67
243	196	189	187	179	188	199	212
26	23	17	14	21	21	20	13
-	1	5	3	1	6	6	2
45	26	24	22	32	23	27	22
69	45	39	45	47	33	26	29
7	9	5	5	7	4	3	1
-	2	2	1	2	1	1	-
52	23	26	27	25	19	12	24
946	933	960	979	1,049	1,034	1,061	1,007
26	36	42	37	28	24	43	23
69	67	63	63	73	91	66	75
42	34	50	47	39	40	58	54
35	25	20	24	26	35	27	20
83	62	75	86	76	73	93	99
260	247	221	253	260	313	332	292
224	253	249	240	249	236	235	217
73	94	87	58	79	73	91	81
-	11	2	2	6	6	5	3
4	5	4	-	6	-	4	2

2010	2011	2012	2013	2014	2015	2016	2017
1,432	1,547	1,567	1,478	1,582	1,676	1,684	1,719
319	371	358	362	352	389	443	446
535	534	612	594	578	614	567	601
441	480	429	391	499	505	492	499
106	122	133	105	119	130	143	132
564	559	524	571	550	528	586	613
4	7	-	3	8	4	5	11
24	26	25	20	19	17	25	30
68	48	49	53	56	59	68	54
102	107	82	110	125	109	100	115
76	70	79	89	72	69	102	100
177	181	149	154	159	151	164	151
35	45	41	47	41	32	32	42
34	32	29	18	17	16	37	51
10	7	12	3	3	4	10	16
639	640	571	608	590	546	680	616
168	164	148	125	144	142	184	168
98	98	83	115	100	95	128	123
70	52	45	41	37	40	45	57
66	47	62	52	39	41	54	54
124	145	101	123	115	104	128	99
372	337	350	381	391	419	383	396

2010	2011	2012	2013	2014	2015	2016	2017
282	275	296	284	331	335	371	372
344	347	393	338	325	356	418	354
398	362	332	385	371	412	415	431
389	427	386	369	427	412	408	437
428	456	433	444	462	443	483	453
459	469	431	425	476	471	516	497
509	499	477	445	452	455	513	489
412	421	436	410	413	384	462	461
402	412	404	414	414	413	455	464
345	337	359	374	398	378	390	398
350	351	331	316	361	358	376	395
332	349	353	322	359	322	362	376
796	781	817	788	807	820	873	859
769	756	749	766	826	844	825	855
806	843	759	786	788	832	847	866
803	790	758	726	773	771	861	866
700	704	729	698	726	766	844	799
484	470	463	499	542	481	578	526